Replacement Parts List No. 7000194
Revision H 11/14

# Roofpak
# Evaporative Condensing Units

RPE, RDE
Sizes 076 - 150 Tons
Vintage C

To find your Daikin Applied parts distributor, call 1-800-377-2787 or visit www.DaikinApplied.com

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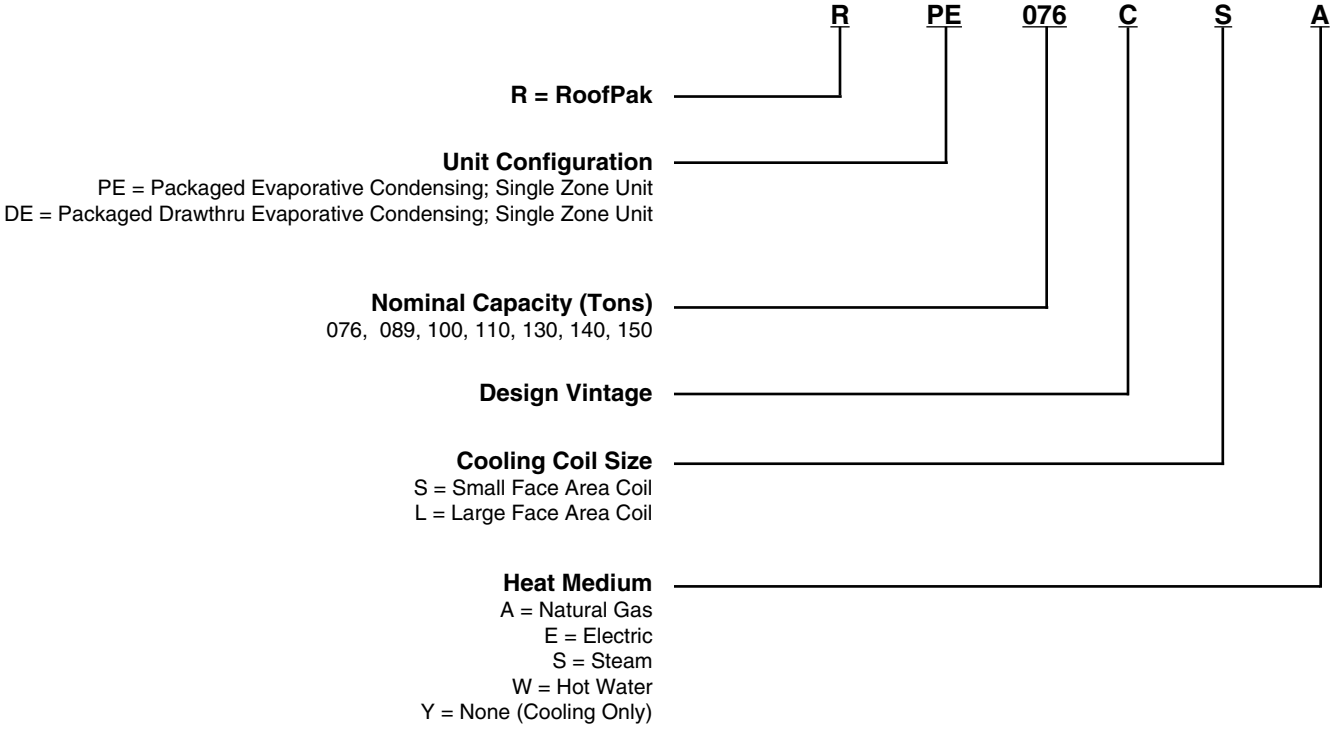
# Parts List Revision History

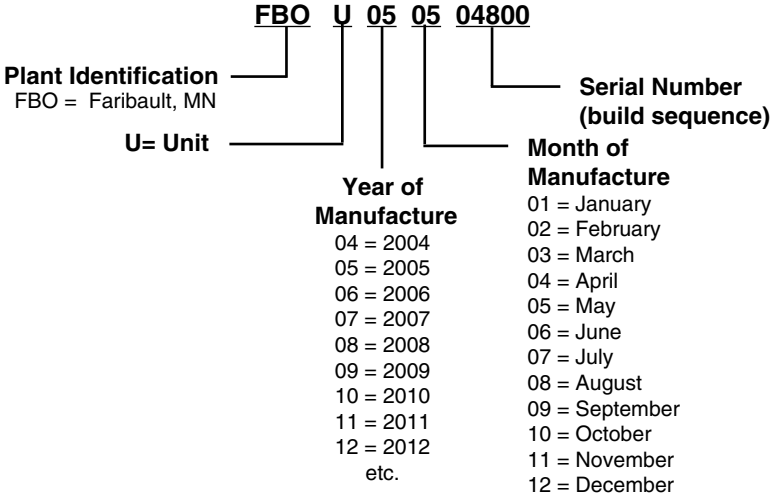
| Rev. | Date | Description |
|---|---|---|
| New | 06/12 | New. |
| A | 07/12 | Page 74: Changed PC7 Switch from 060015801, Bracket 057233101 & Fitting 049763002 to Retrofit Kit 910122413. Updated drawing & added footnote #1.<br>Page 137: Deleted duplicate PC5, PC7, & SD1 entries. |
| B | 10/12 | Page 185- 187: Added footnote regarding 460V Contactor and MMP replacement.<br>Page 188: Changed page header date to: "**1/07 thru 12/10"**. |
| C | 12/12 | Page 126: Added 1/05 & Later p/n 193308201 to Ref #17. Updated description. |
| D | 01/13 | Page 30: Changed Ref. # 6G Belt from "**000607600**" to "**049260805**". |
| E | 10/13 | Cover, Rev pg.: Updated to Daikin Applied logo format.<br>Various: Changed "**Mcquay**" & "**Daikin McQuay Parts**" to "**Daikin Applied**".<br>Page 126: Changed Ref #35 208- 460V Motor "**112026801**" to "**113101101**". Added footnote. |
| F | 02/14 | Cover, Master pg., Various: Deleted references to RCE units. RCE units have never been put into production.<br>Page 5 (NEW): Added page for additional TOC. Repaginated form & updated TOC.<br>Page 9- 15 (OLD) 10- 16 (NEW): Updated Code Nomenclature to 66 code format. Added footnote on pg. 11.<br>Page 17 (NEW): Added page for additional unit codes.<br>Page 16- 20 (OLD) 18- 22 (NEW): Deleted RCE only p/ns.<br>Page 21, 38, 41, 42, 45, 47, 77, 111, 112, 113, 115, 118, 123, 133, 211 (OLD) 23, 42, 45, 46, 49, 51, 87, 126, 127, 130, 134, 139, 148, 249 (NEW): Rewrote notes.<br>Page 23 (OLD) 25 (NEW): Added "12/07 & Earlier" to page header and footnote #1.<br>Page 24 (OLD) 26 (NEW): Deleted page. Repaginated form & updated TOC.<br>Page 26 (OLD) 27 (NEW): Changed Iso. Dmpr. to contact PID. Added/rewrote footnotes & updated footnote notation.<br>Page 27, 28 (OLD) 28, 29 (NEW): Added dwg./Bub & components for 2/11 & Later ACT3 components.<br>Page 29 (OLD) 30 (NEW): Moved p/n table to new page 31. Added 2/11 & Later dwg. Updated bubs.<br>Page 31 (NEW): Added page for Iso. Dmpr. table. Added in 2/11 & Later components. Changed Ref # 16 p/n from "055638101" to "055638102". Repaginated form & Updated TOC.<br>Page 33, 34 (OLD) 37, 38 (NEW): Updated dwgs.<br>Page 33, 35 (NEW): Added pages for updated components. Repaginated form & Updated TOC.<br>Page 35 (OLD) 39 (NEW): Rewrote footnote #1.<br>Page 36 (OLD) 40 (NEW): 60HP mtrs. NA for 208/230V units. Added footnote.<br>Page 37 (OLD) 41 (NEW): Added footnote #1.<br>Page 38 (OLD) 42 (NEW): Added Diff. Press. Switches and footnote #1. Updated TOC.<br>Page 50, 52- 55 (OLD) 54, 56- 59 (NEW): Updated dwgs.<br>Page 56 (OLD) 60 (NEW): Updated table with 75 HP motor information. Rewrote footnote.<br>Page 64 (OLD) 68 (NEW): Updated MMP & Contactor Link dwg. Corrected footnotes.<br>Page 73- 77 (NEW): Added pages for 6/13 & Later components. Repaginated form & Updated TOC.<br>Page 70 (OLD) 79 (NEW): Updated Inverter table. Added/rewrote footnotes.<br>Page 71 (OLD) 80 (NEW): Added footnote.<br>Page 72 (OLD) 81 (NEW): Updated Inverter table and rewrote footnotes.<br>Page 82 (NEW): Added page for MD4, 5 Inverters. Repaginated form & Updated TOC.<br>Page 73 (OLD) 83 (NEW): Rewrote footnote #1.<br>Page 79 (OLD) 89 (NEW): Added 1/11 & Later Valve p/ns.<br>Page 82- 86 (OLD) 92- 97 (NEW): Added "5/13 & Earlier" to page headers.<br>Page 97- 101 (NEW): Added pages for 6/13 & Later components. Repaginated form & Updated TOC.<br>Page 99, 102 (OLD) 114, 117 (NEW): Added "Code 12= *E, *F, ***W**" to page headers.<br>Page 106 (OLD) 123 (NEW): Added "09/08 & Earlier" to page headers. Added footnote #1.<br>Page 111 (OLD) 126 (NEW): Deleted Section Mtd. Controls table & dwg. Added new footnote #1. Updated footnote notation.<br>Page 124 (OLD) 140 (NEW): Updated MTIII description from "Code 12= *E, *F" to "Code 12= *E, *F, ***W**".<br>Page 126 (OLD) 142 (NEW): Rewrote footnote.<br>Page 130 (OLD) 146 (NEW): Rewrote footnote #1.<br>Page 133 (NEW): Added page for updated components & dwgs. Repaginated form & Updated TOC.<br>Page 132 (OLD) 247 (NEW): Moved page. Updated w/ 6/13 & Later components.<br>Page 140- 142 (OLD) 155- 157 (NEW): Rewrote footnotes and updated footnote notation.<br>Page 145 (OLD) 160 (NEW): Added footnote #3 and updated footnote notation.<br>Page 173 (OLD) 188 (NEW): Updated M64 & M65 p/ns.<br>Page 191 (OLD) 206 (NEW): Updated SPS1, 2 p/ns & added footnotes #5 & 6. Added "**BW**" feature to COM Code 12 entry.<br>Page 224- 245 (NEW): Added pages for 6/13 & Later components.<br>Page 209 (OLD) 246 (NEW): Added Code 47= B VFD p/ns and changed "Code 47= S" to "Code 47= **Q,** S" on table header. |
| G | 10/14 | Page 11- 17: Updated Unit Model coding.<br>Page 30 (NEW): Added pg. for California Title 24 option. Repaginated form & updated TOC.<br>Page 41 (OLD) 42 (NEW): Updated OAE & RAE control/mount p/ns. Added footnotes # 1, 2 & footnote notation. Updated OAE & RAE dwgs.<br>Page 102, 103 (OLD) 103, 104 (NEW): Deleted Aluminized Heat Exchangers. Rewrote footnotes & updated footnote notation. |
| H | 11/14 | Page 103, 104: Added HT Exch. kits & Turbulators. Rewrote footnotes/updated footnote notation.<br>Page 207, 227: Corrected LON COM p/n coding description. |
| | | |

# Nomenclature & Unit Layout
## Unit Model & Serial Number

### Unit Model Number


R PE 076 C S A
R = RoofPak
Unit Configuration
PE = Packaged Evaporative Condensing; Single Zone Unit
DE = Packaged Drawthru Evaporative Condensing; Single Zone Unit
Nominal Capacity (Tons)
076, 089, 100, 110, 130, 140, 150
Design Vintage
Cooling Coil Size
S = Small Face Area Coil
L = Large Face Area Coil
Heat Medium
A = Natural Gas
E = Electric
S = Steam
W = Hot Water
Y = None (Cooling Only)

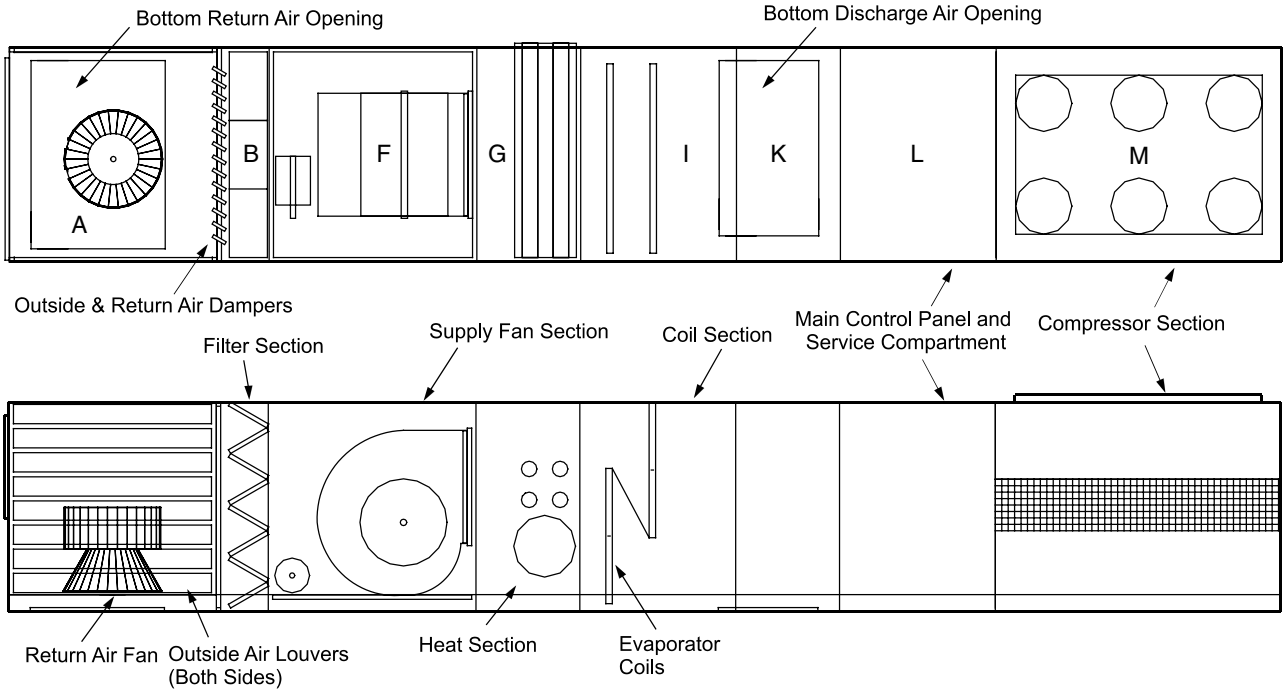
### Unit Serial Number



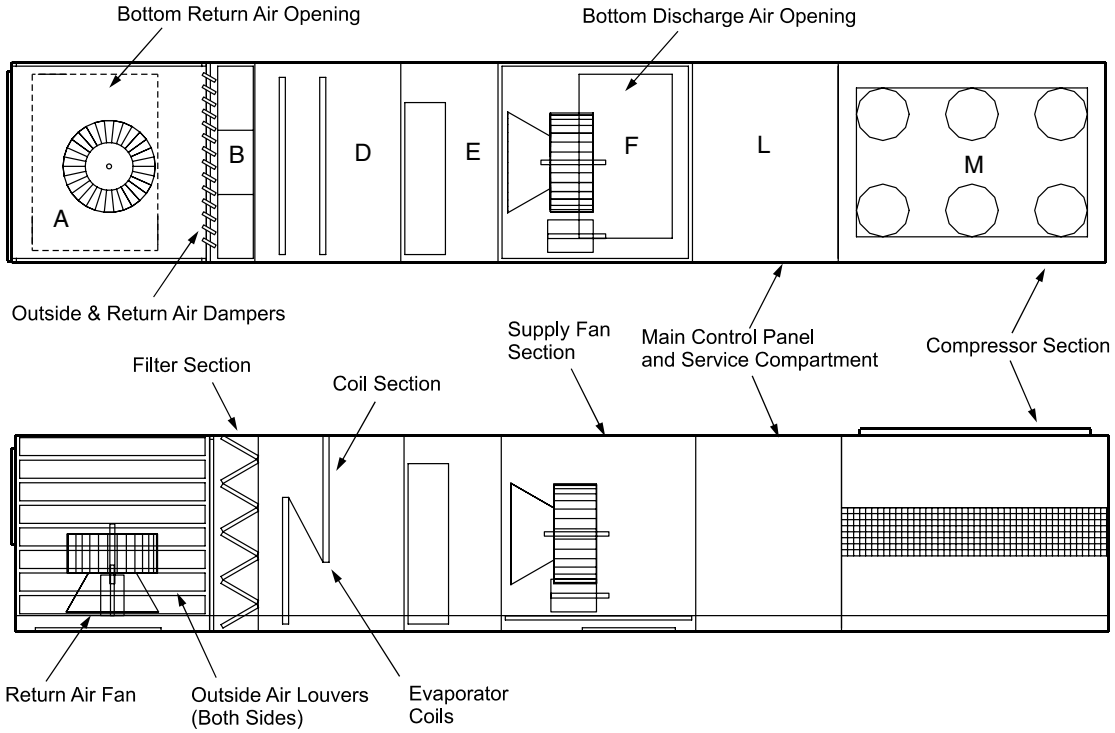
# Nomenclature & Unit Layout

## Unit Section Locations [1]

### Typical Section Locations for BlowThru RPE Units



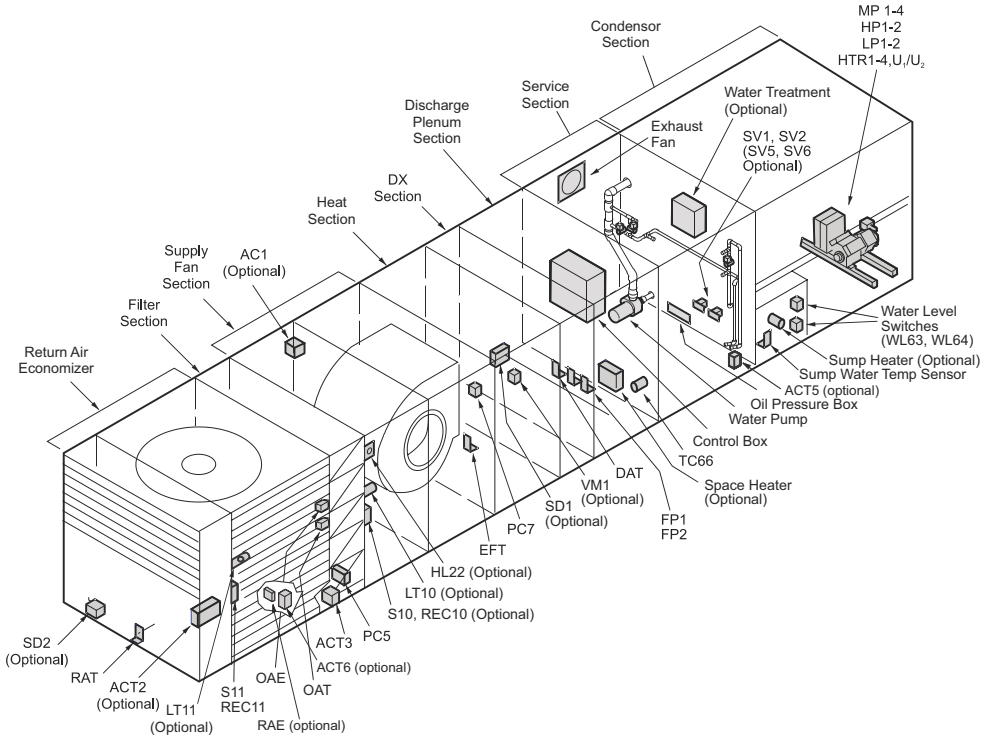

### Typical Section Locations for RDE Units



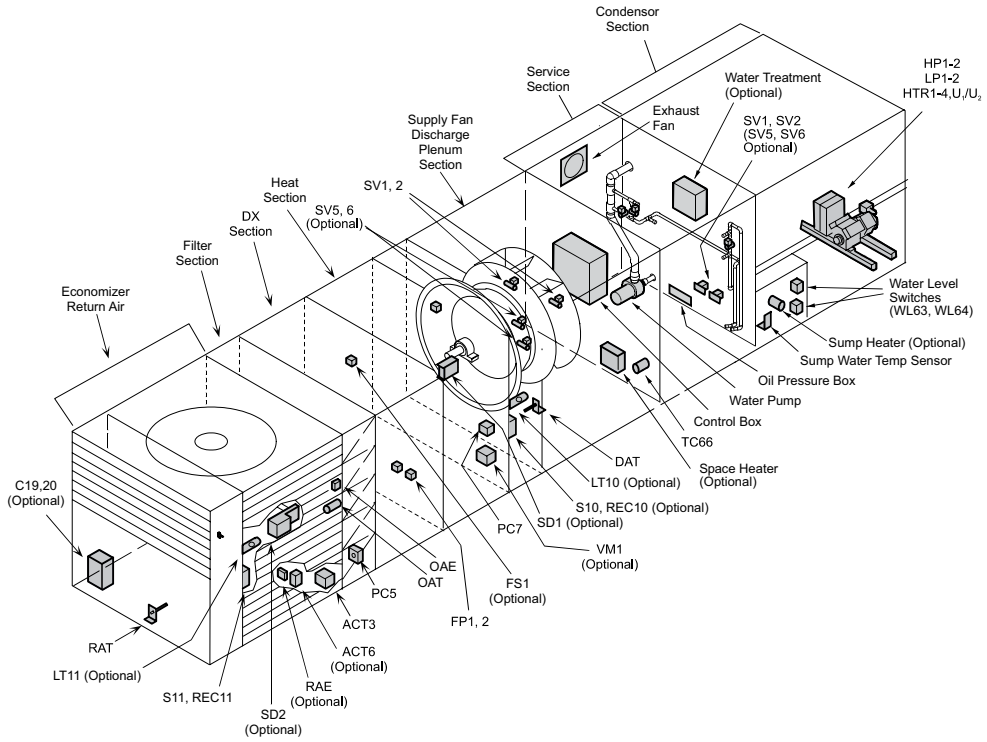

[1] The Unit Section Layout Diagrams shown above are to be used for reference only. Sections and Component locations vary depending on unit size, age, configuration, and options selected. Refer to the ***Unit Model Number Complete*** Section one page after next for section code information.

# Nomenclature & Unit Layout
## Control Component Locations [1]

### Typical Control Component Locations for RPE Units




### Typical Control Component Locations for RDE Units




[1] The Control Component Layout Diagrams shown above are to be used for reference only. Sections and Component locations vary depending on unit size, age, configuration, and options selected.

# Nomenclature & Unit Layout
## Unit Model Number Code Index

**General Unit Options**
Primary Unit Model Codes that Pertain:
05, 06, 07, 50- 54 (Mid 2012 & Earlier),
60- 66 (Mid 2012 & Later)

**Miscellaneous Controls/Sensors**
Primary Unit Model Codes that Pertain:
13, 16, 17, 18

**Section A= Return/Outside Air/Economizer Section**
Primary Unit Model Codes that Pertain:
19, 20, 21, 22, 23 (Mid 2012 & Earlier), 24,
59 (Mid 2012 & Later)

**Section B= Draw-Thru Filter Section**
Primary Unit Model Codes that Pertain:
25, 33 (Mid 202 & Later)

**Section C= Blank/Inverter (AFD/VFD) Section**
Primary Unit Model Codes that Pertain:
14, 15, 26

**Section D= Draw-Thru Cooling Section**
Primary Unit Model Codes that Pertain:
03, 27, 28, 36

**Section E= Draw-Thru Spacer/Blank Section**
Primary Unit Model Codes that Pertain:
26, 30

**Section E= Draw-Thru Heat Section for RDE Units**
Primary Unit Model Codes that Pertain:
04, 30

**Section F= Supply Air Section**
Primary Unit Model Codes that Pertain:
31, 32, 33 (Mid 2012 & Earlier), 59 (Mid 2012 & Later)

**Section G= Blow-Thru Heat Section for RPE Units**
Primary Unit Model Codes that Pertain:
04, 34

**Section H= Blow-Thru Heat Blank Access Section**
Primary Unit Model Codes that Pertain:
34, 38

**Section I= Blow-Thru Cooling Coil Section**
Primary Unit Model Codes that Pertain:
03, 35, 36

**Section J= Final Filter Section**
Primary Unit Model Codes that Pertain:
39

**Section K= Discharge Plenum Section**
Primary Unit Model Codes that Pertain:
08, 40

**Section L= Vestibule/Access Section**
Primary Unit Model Codes that Pertain:
08, 41, 43

**Section M= Condenser Section**
Primary Unit Model Codes that Pertain:
42, 43, 44, 45, 47

**Section N= Main Control Panel**
Primary Unit Model Codes that Pertain:
08, 09, 11, 12, 13, 14, 15, 17, 18

**Section O= Refrigeration Tubing**
Primary Unit Model Codes that Pertain:
45, 46

# Nomenclature & Unit Layout

## Unit Model Number- Complete [1]

| RPE | 076C | S | A | Y | 1 | EU | V | 27 | AL | P1 | LD | Y | 5 | A | 1 | CH | R120 | BB | FE | 44B2 | JEY | 1250A | Y | AB | S | CYYS | 4Z083D |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Code | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 |

| YYYYYY | BBBBBB | 33A1 | SEY | 0890A | 100SHC | CYYY | 4Z083D | YYYYYY | B | B | BB | 1 | 6 | EE | H | 1 | 1 | A | Y | Y |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 |

| YY | 1 | A | A | A |
|---|---|---|---|---|
| 50 | 51 | 52 | 53 | 54 |

**Code 03= Cooling Coil Size**
- S= Small Face Area (076C thru 110C)
- L= Large Face Area (089C thru 150C)

**Code 04= Type of Heat**
- Y= None
- A= Natural Gas Heat
- E= Electric Heat
- S= Steam Heat
- W= Hot Water Heat
- X= Special

**Code 05= Split Unit**
- Y= None
- C= Split at Condenser Section
- F= Split at Fan/Heat Section
- X= Special

**Code 06= Insulation and Liners**
- 1= 1", 3/4# with liners on Doors
- 2= 1½", 1.5# with solid liners on Doors & Ceilings
- 3= 1½", 1.5# with perforated liners in Plenums, solid elsewhere
- 4= 1½", 1.5# with solid liners on Doors, Ceilings and Floors
- 5= 1½", 1.5# with perforated liners in Plenums, solid elsewhere (including Floors)
- 6= 1 ½", 1.5# With StStl Solid Liners on Doors, Ceiling and Floors
- X= Special

**Code 07= Approval Agency Listing**
- Digit 1: Unit Approval
  - Y= None
  - C= ETL- Canada
  - E= ETL/MEA- USA
  - X= Special
- Digit 2: Burner Approval
  - Y= None (Code 04 CANNOT = A)
  - C= ETL- Canada w/ Low Altitude Burner
  - D= ETL- Canada w/ High Altitude Burner
  - M, U= ETL
  - X= Special

**Code 08= Main Control Box Location**
- P= Standard Location (RPE only)
- S= Standard Location (RDE only)
- V= Vestibule
- X= Special

**Code 09= Unit Voltage**
- 12= 208/60/3
- 29= 230/60/3
- 27= 460/60/3
- 37= 575/60/3

**Code 10= Starting Option**
- AL= Across-the-Line
- PW= Part Winding Start Compressors only
- XX= Special

**Code 11= Field Power Connection**
- Digit 1: Type of Control
  - A= One Disconnect: Complete Unit
  - C= Two Disconnects: SAF, RAF, & Controls/Balance of Unit
  - B= Two Disconnects: EH/Balance of Unit
  - D= Three Disconnects: EH, SAF, RAF & CB/Balance of Unit
  - P= One Power Block: Complete Unit
  - Q= Two Power Blocks: EH/Balance of Unit
  - R= Two Power Blocks - Fans & Controls/Balance of Unit
  - X= Special
- Digit 2: Disconnect Mechanism Location
  - 1= Internal (Code 11, Digit 1= P, Q, R)
  - 2= Thru-the-door Disconnect (Code 11, Digit 1 CANNOT= P, Q, R)
  - X= Special

**Code 12= Temperature Controls Package**

*MicroTech II*
- Digit 1: Communication Type
  - L= LonMark
  - B= BACNet w/ MSTP
  - E= BACNet w/ Ethernet
  - S= Standalone (No Communication)
  - X= Special
- Digit 2: Control Type
  - D= Discharge Air Temp. Control
  - S= Space or Zone Control
  - X= Special

*MicroTech III*
- Digit 1: Communication Type
  - L= LonMark
  - B= BACNet w/ MSTP
  - E= BACNet w/ Ethernet
  - S= Standalone (No Communication)
  - C= BACNet w/ MSTP, VAV Contactor Configurable
  - A= Daikin D3 VRV Gateway
  - X= Special
- Digit 2: Control Type
  - E= Discharge Air Temp. Control
  - F= Space or Zone Control
  - W= Discharge Air w/ Space Control
  - XX= Special

[1] An "X" located in any position in a code string indicates a special feature. Contact Daikin Applied with model and serial number information in order to correctly identify the required part(s). In mid 2012 the code structure was changed from a 54 Code Index to a 66 Code Index. A sample 54 Code version is shown above.

# Nomenclature & Unit Layout
## Unit Model Number- Complete, Continued

**Code 13= Air Flow Controls**
- Y= None
- 1= 1 Duct Sensor
- 2= 2 Duct Sensors
- 3= 1 Duct & 1 Space Sensor
- 4= 1 Space Sensor
- X= Special

**Code 14= Inverters**
- Y= None
- X= Special
- *Separate Section*
  - 1= SA Fan only w/ Bypass
  - 2= SA & RA Fans w/ Bypass
  - 4= RA Fan only w/ Bypass
- *No Separate Section*
  - 3= SA Fan only w/ Bypass
  - 5= SA & RA Fans w/ Bypass
  - 6= SA Fan only w/o Bypass
  - 7= SA & RA Fans w/o Bypass
  - 8= RA Fan only w/ Bypass
  - 9= RA Fan only w/o Bypass

**Code 15= Inverter Vendor**
- Y= None
- A= ABB
- G= Graham/Danfoss
- R= Reliance/Rockwell
- Q= Schneider
- S, B= Daikin Applied
- F= Field Installed Inverter controlled by MicroTech
- X= Special

**Code 16= Smoke Detectors**
- Y= None
- 1= Return Air Smoke Detector
- 2= Supply Air Smoke Detector
- 3= Supply and Return Air Smoke Detectors
- X= Special

**Code 17= Miscellaneous Auxiliary Controls**
- Digit 1: Type of Control
  - Y= None (may include mechanical enthalpy)
  - C= Differential Enthalpy
  - X= Special
- Digit 2: Type of Control
  - Y= None
  - F= Freezestat (Steam, HW Heat)
  - P= Phase Failure
  - G= Ground Fault Protection
  - L= Line Reactors w/ Inverter
  - A= Freezestat & Phase Failure (Steam, HW Heat)
  - B= Freezestat & Ground Fault (Steam, HW Heat)
  - C= Phase Failure & Ground Fault
  - D= Freezestat, Phase Failure & Ground Fault (Steam, HW Heat)
  - E= Freezestat & Line Reactors (Steam, HW Heat w/ Inverter)
  - H= Phase Failure & Line Reactors (w/ Inverter)
  - J= Freezestat, Phase Failure, & Line Reactors (Steam, HW Heat w/ Inverter)
  - K= Ground Fault, Phase Failure, & Line Reactors (Steam, HW Heat w/ Inverter)

**Code 17= Miscellaneous Auxiliary Controls**
- Digit 2, Cont.
  - 1= UV Lights
  - 2= UV Lights & Freezestat (Steam, HW Heat)
  - 3= UV Lights & Phase Failure
  - 4= UV Lights & Line Reactors w/ Inverter
  - 5= UV Lights, Freezestat, & Phase Failure (Steam, HW Heat)
  - 6= UV Lights, Freezestat, & Line Reactors (Steam, HW Heat w/ Inverter)
  - 7= UV Lights, Phase Failure & Line Reactors w/ Inverter
  - 8= UV Lights, Freezestat, Phase Failure, & Line Reactors (Steam, HW Heat w/ Inverter)
  - X= Special

**Code 18= Miscellaneous Controls/Unit Length (three digits)**
- Y, A, S(***)= None ((***)= Air Handler Length [inches])
- R, K(***)= Remote Keypad ((***)= Air Handler Length [inches])
- M, P(***)= Phone Modem ((***)= Air Handler Length [inches])
- W(***)= Wireless Modem ((***)= Air Handler Length [inches])
- U(***)= Unit Pwr. Receptacle ((***)= Air Handler Length [inches])
- V(***)= K plus Unit Pwr. Receptacle ((***)= Air Handler Length [inches])

**Code 19= Return Air Plenum**
- YY= None (No Return Air Section)
- BY= Bottom Return
- HY= Back Return
- LY, SY= Side (opp. drive) Return
- TY= Top Return
- BB= Bottom Return w/ Burglar Bars
- BE= Bottom Return w/ Isolation Damper & Actuator
- XX= Special

**Code 20= Outdoor Air Options**
- AE= 100% Outside Air Damper w/ Hood & Actuator
- BE= 0- 30% Outdoor Air w/ Actuator
- DE= 0- 100% Economizer w/ Barometric Exhaust Damper w/ Actuator
- EE= 0- 100% Economizer w/ Powered Closure Exhaust Damper w/ Actuator
- HE= 0- 100% Economizer w/ Prop Exhaust Damper w/ Actuator
- FE= same as DE plus Design Flow
- GE= same as EE plus Design Flow
- JE= same as HE plus Design Flow
- XX= Special

**Code 21= Return Air Fan**
- YYYY= None
- Digit 1- 3: Wheel Type
  - 44B= 44" Airfoil (AFSW)
- Digit 4: Isolator type
  - 1= Rubber-in-Shear (RIS)
  - 2= Spring
  - 3= Spring w/ Seismic Restraints

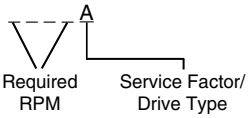
# Nomenclature & Unit Layout
## Unit Model Number- Complete, Continued

**Code 22= Return Air Fan Motor**
YYY= None
XXX= Special
Digit 1: Motor Size

| | | |
|---|---|---|
| H= 3.0 HP | N= 20.0 HP | R= 40.0 HP |
| J= 5.0 HP | M= 15.0 HP | S= 50.0 HP |
| K= 7.5 HP | P= 25.0 HP | T= 60.0 HP |
| L= 10.0 HP | Q= 30.0 HP | |

(Prop Exhaust option is always J [5.0 HP])
Digit 2: Motor Type
E= High Efficiency ODP
F= High Efficiency VAV
H= High Efficiency Totally-Enclosed
J= Premium Efficiency ODP
K= Premium Efficiency Totally-Enclosed
Digit 3: Motor Options
Y= None
S= With With Shaft Grounding Kit

**Code 23= Return Air Fan Drive Selection (Mid 2012 & Earlier)**
YYYYY= No Return Air Fan
XXXXX= Special




Service Factor/Pitch Type
A= Std. SF/Fixed Pitch
B= 150% SF/Fixed Pitch
C= Std. SF/Variable Pitch
D= 150% SF/Variable Pitch

**Code 23= Miscellaneous Electrical Options (Mid 2012 & Later)**
Digit 1: UV Lights
Y= None
U= UV Lights
X= Special
Digit 2: Plenum Lights
Y= None
P= Plenum Lights
X= Special
Digit 3: Energy Recovery Inverter
Y= None
A= ABB ACH550
B= Daikin Applied
Q= Schneider
X= Special
Digit 4: Not an RPE/RDE Code Item
Y= None
X= Special
Digit 5: Intelligent Equipment
Y= None
A= IE Control
X= Special

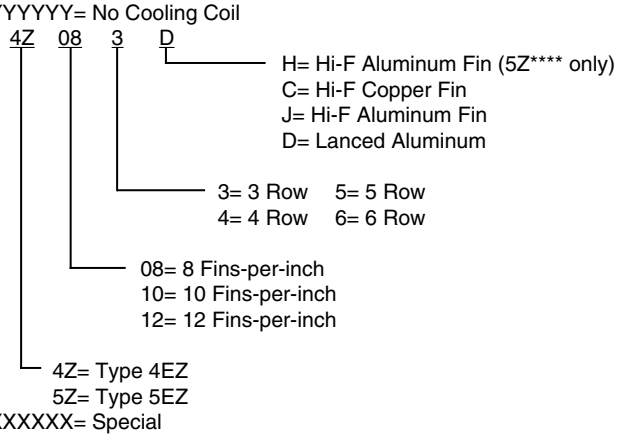
**Code 24= Exhaust Fans**
Y= None
2= 2 Exhaust Fans w/ Hood
3= 3 Exhaust Fans w/ Hood
X= Special

**Code 25= Draw-Thru Filter/Air Blender Section**
Digit 1: Section Type
Y= None
A= 2" Angular 24" Section
G= 4" Angular 24" Section
D= Angular w/ LO CFM Blender 48/24" Section (Mid 2012 & Earlier)
D= Blank 24 Inch Section (Mid 2012 & Later)
E= Angular w/ HI CFM Blender 48/24" Section (Mid 2012 & Earlier)
E= Blank 48 Inch Section (Mid 2012 & Later)
F= Flat 24" Section
H= Flat w/ HI CFM Blender 48/24" Section
L= Large Staggered 48/24" Section
S= Staggered 48" Section
V= Staggered w/ HI CFM Blender 48/48" Section
B= Blank 24" Section
C= Blank 48" Section
X= Special
Digit 2: Filter Type
Y= No Filters factory provided
B= 30% Efficient, Throwaway
C= 30% Efficient, Throwaway w/ Intersept
H= 85% Efficient, Throwaway
D= 65% Efficient Cartridge w/ Prefilters
E= 95% Efficient Cartridge w/ Prefilters
G= 95% Efficient Cartridge w/ Intersept & Prefilters
X= Special

**Code 26= Blank Draw-thru Section**
Y= None
E= Blank 24" Section
F, S= Blank 48" Section
X= Special

**Code 27= Draw-Thru Unit Coil Section**
YYYY= None
CYYY= Cooling Coil Section w/ galvanized steel sloped Drain Pan
CYYS= Cooling Coil Section w/ stainless steel sloped Drain Pan
XXXX= Special

**Code 28= Draw-Thru Cooling Coil**
YYYYYY= No Cooling Coil


4Z 08 3 D
H= Hi-F Aluminum Fin (5Z**** only)
C= Hi-F Copper Fin
J= Hi-F Aluminum Fin
D= Lanced Aluminum
3= 3 Row 5= 5 Row
4= 4 Row 6= 6 Row
08= 8 Fins-per-inch
10= 10 Fins-per-inch
12= 12 Fins-per-inch
4Z= Type 4EZ
5Z= Type 5EZ

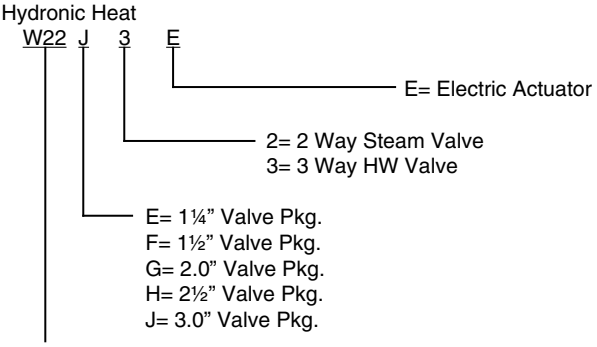
XXXXXX= Special

**Code 29= Not an RPE/RDE Code Item**
YYYYYY= None

# Nomenclature & Unit Layout
## Unit Model Number- Complete, Continued

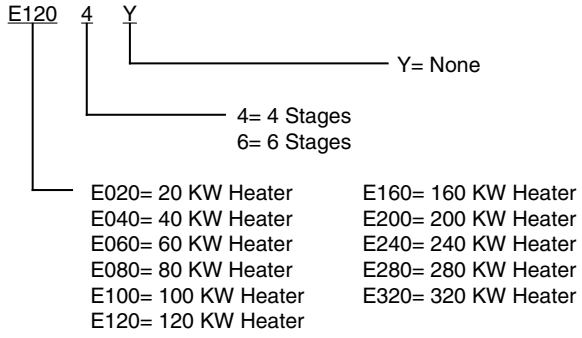
**Code 30= Draw-Thru Spacer Section**
YYYYYY= No Heating Section
EEEEEE= Blank 24" Section
BBBBBB, FFFFFF= Blank 48" Section
XXXXXX= Special

**Code 30= Blow-Thru Heating Section (RDE only)**
Hydronic Heat


W22 J 3 E
E= Electric Actuator
2= 2 Way Steam Valve
3= 3 Way HW Valve
E= 1¼" Valve Pkg.
F= 1½" Valve Pkg.
G= 2.0" Valve Pkg.
H= 2½" Valve Pkg.
J= 3.0" Valve Pkg.

S11= 5JA0601H (6FPI, 1 Row Steam Coil)
S12= 5JA1201H (12FPI, 1 Row Steam Coil)
S13= 5JA0602C (6FPI, 2 Row Steam Coil)
S14= 5JA1202C (12FPI, 2 Row Steam Coil)
W11= 5WH0901H (9FPI, 1 Row HW Coil)
W22= 5WS0902C (9FPI, 2 Row HW Coil)
XXXXXX= Special

**Code 30= Draw-Thru Heating Section (RDE only)**
Electric Heat

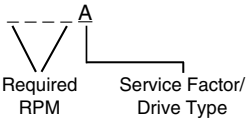



XXXXXX= Special

**Code 31= Supply Air Fan**
XXXX= Special
Digit 1- 3: Wheel Type
33A= 33" Airfoil Double Width (RPE only)
33F= 33" Forward Curved, LP (RPE only)
33M= 33"Forward Curved, MP (RPE only)
36A= 36" Airfoil Double Width (RPE only)
36F= 36" Forward Curved, LP (RPE only)
36M= 36"Forward Curved, MP (RPE only)
40A= 40" Airfoil Double Width (RPE only)
40F= 40" Forward Curved, LP (RPE only)
40M= 40"Forward Curved, MP (RPE only)
44B= 44" Airfoil Single Width (RDE only)
49B= 49" Airfoil Single Width (RDE only)
Digit 4: Isolator type
1= Rubber-in-Shear (RIS)
2= Spring
3= Spring w/ Seismic Restraints

**Code 32= Supply Air Fan Motor**
XXX= Special
Digit 1: Motor Size
J= 5.0 HP
K= 7.5 HP
L= 10.0 HP
M= 15.0 HP
N= 20.0 HP
P= 25.0 HP
Q= 30.0 HP
R= 40.0 HP
S= 50.0 HP
T= 60.0 HP
U= 75.0 HP
Digit 2: Motor Type
E= High Efficiency ODP
F= High Efficiency VAV
H= High Efficiency Totally-Enclosed
J= Premium Efficiency ODP
K= Premium Efficiency Totally-Enclosed
Digit 3: Motor Options
Y= None
S= With With Shaft Grounding Kit

**Code 33= Supply Air Fan Drive Selection (Mid 2012 & Earlier)**
XXXXX= Special




Service Factor/Pitch Type
A= Std. SF/Fixed Pitch
B= 150% SF/Fixed Pitch
C= Std. SF/Variable Pitch
D= 150% SF/Variable Pitch

**Code 33= Miscellaneous Options (Mid 2012 & Later)**
Digit 1: Gauges
Y= None
A= Magnehelic/Differential Filter Gauge in Draw-Thru section
B= Magnehelic/Differential Filter Gauge in Blow-Thru section
C= Magnehelic/Differential Filter Gauge in Draw-Thru & Blow-Thru sections
Digit 2: California Title 24
Y= None
F= Economizer with FDD
Digit 3: Ebtron Air Flow Measuring
Y= None
S= Ebtron Air Flow (Hybrid)
G= Ebtron Air Flow (Gold)
Digit 4: Heating Coil Options
Y= None
E= Electrofin Coating
Digit 5: Not an RPE/RDE Code Item
Y= None

**Code 34= Blow-Thru Spacer Section**
YYYYYY= No section, cooling only
BBBBBB= Blank 48" section, no heat, cooling only (RPE only)

# Nomenclature & Unit Layout
## Unit Model Number- Complete, Continued

**Code 34= Blow-Thru Gas Heat Section (RPE only)**

100 S H C

- C: A= Low CFM Baffle Position; B= Medium CFM Baffle Position; C= High CFM Baffle Position; D= Extra High CFM Baffle Position; Y= None
- H: E= Modulating 3:1 Burner, Maximum gas pressure= 0.5 psi; R= Modulating Burner w/ H.P. Regulator Range= 2- 3 psi; S= Modulating Burner w/ H.P. Regulator Range= 5- 10 psi; H= Hi Turn Down Burner 20:1; T= Hi Turn Down Burner 20:1 w/ H.P. Regulator Range= 2- 3 psi; U= Hi Turn Down Burner 20:1 w/ H.P. Regulator Range= 5- 10 psi
- S: A= Stainless Steel Primary, Aluminized Steel Secondary Heat Exchanger; S= Stainless Steel Heat Exchanger
- 100: 050= 500 MBH; 064= 640 MBH; 065= 650 MBH; 079= 790 MBH; 080= 800 MBH; 100= 1000 MBH; 110= 1100 MBH; 140= 1400 MBH; 150= 1500 MBH; 200= 2000 MBH; XXXXXX= Special

**Code 34= Blow-Thru Steam/Hot Water Heat Section (RPE only)**

W22 J 3 E

- E: E= Electric Actuator
- 3: 2= 2 Way Steam Valve; 3= 3 Way HW Valve; Y= No Valve
- J: E= 1¼" Valve Pkg.; F= 1½" Valve Pkg.; G= 2.0" Valve Pkg.; H= 2½" Valve Pkg.; J= 3.0" Valve Pkg.
- W22: S11= 5JA0601H (6FPI, 1 Row 5JA Steam Coil); S12= 5JA1201H (12FPI, 1 Row 5JA Steam Coil); S13= 5JA0602C (6FPI, 2 Row 5JA Steam Coil); S14= 5JA1202C (12FPI, 2 Row 5JA Steam Coil); W11= 5WH0901H (9FPI, 1 Row 5WH HW Coil); W22= 5WS0902C (9FPI, 2 Row 5 WS HW Coil); XXXXXX= Special

**Code 34= Blow-Thru Electric Heat Section (RPE only)**

E020 1 Y

- Y: None
- 1: 1= 1 Stage; 2= 2 Stages; 4= 4 Stages; 6= 6 Stages
- E020: E020= 20 KW Heater; E040= 40 KW Heater; E060= 60 KW Heater; E080= 80 KW Heater; E100= 100 KW Heater; E120= 120 KW Heater; E160= 160 KW Heater; E200= 200 KW Heater; E240= 240 KW Heater; E280= 280 KW Heater; E320= 320 KW Heater

**Code 35= Blow-Thru Unit Coil Section**

YYYY= None
CYYY= Cooling Coil Section w/ galvanized steel sloped Drain Pan
CYYS= Cooling Coil Section w/ stainless steel sloped Drain Pan
XXXX= Special

**Code 36= Cooling Coil (RPE only)**

YYYYY= No Cooling Coil

4Z 08 3 D

- D: H= Aluminum Fin; D= Lanced Aluminum; C= Copper Fin
- 3: 3= 3 Row; 4= 4 Row; 5= 5 Row; 6= 6 Row
- 08: 08= 8 Fins-per-inch; 10= 10 Fins-per-inch; 12= 12 Fins-per-inch
- 4Z: 4Z= Type 4EZ; 5Z= Type 5EZ; XXXXXX= Special

**Code 37= Not an RPE/RDE Code Item**

YYYYYY= None

**Code 38= Blow-Thru Blank/Attenuator Section**

Y= No section
G= With 36" Std. Straight Attenuator
K= With 36" Std. Straight Attenuator w/ Tedlar Coating
H= With 60" Std. Straight Attenuator
L= With 60" Std. Straight Attenuator w/ Tedlar Coating
J= Std. Elbow Attenuator
M= Std. Elbow Attenuator w/ Tedlar Coating
B, F= Blank 48" Section
E= Blank 24" Section

# Nomenclature & Unit Layout
## Unit Model Number- Complete, Continued

**Code 39= Final Filter Section (RPE only)**
- Y= No section
- A= Flat filter section, 95% cartridge, 24/24" section
- J= Flat filter section, 95% cartridge, 24" section
- B= Staggered filter section, 95% cartridge, 24/48" section
- K= Staggered filter section, 95% cartridge, 48" section
- E= Flat filter section, 95% cartridge w/ Intersept, 24/24" section
- L= Flat filter section, 95% cartridge w/ Intersept, 24" section
- F= Staggered filter section, 95% cartridge w/ Intersept, 24/48" section
- M= Staggered filter section, 95% cartridge w/ Intersept, 48" section
- G= Flat filter section, 95% HEPA cartridge, 24/48" section
- N= Flat filter section, 95% HEPA cartridge, 48" section
- H= Flat filter section, 95% cartridge, 48/48" section
- C, Q= Blank 24/24" section
- D, R= Blank 24/48" section
- S= Blank 24" section
- T= Blank 48" section
- X= Special

**Code 40= Discharge Air Plenum**

Digit 1: Discharge Air Location
- B, G= Bottom Discharge
- H, L, S= LH Side (opposite Drive side)
- R= RH Side (Drive side)
- T= Top Discharge
- X= Special

Digit 2: Options
- Y= None
- B= Burglar Bars (Code 40, Digit 1 = B)
- E= Bottom Discharge w/ Isolation Damper & Actuator (Code 40, Digit 1 = B)
- X= Special

**Code 41= Vestibule Compartment**
- 1= 24/48" Section, out of airstream with Light
- X= Special

**Code 42= Compressor Capacity Control**
- 4= 4 steps
- 6= 6 steps
- 8= 8 steps
- X= Special

**Code 43= Condenser Options**

Digit 1: Section Type
- E= Evaporative Condenser
- S= Evaporative Condenser w/ Sump Heater
- V= Evaporative Condenser w/ Heater in Vestibule
- B= Evaporative Condenser options w/ Sump Heater & Heater in Vestibule
- X= Special

Digit 2: Water Treatment/Compressor Conduit Type
- Y= Bleed Off Only- Flex Conduit
- D= Bleed Off Only- Liquid Tight Conduit
- E= Dolphin, w/o Corr. Coupon, w/o Comm- Flex Conduit
- F= Dolphin, w/o Corr. Coupon, w/o Comm- Liquid Conduit
- H= Dolphin, w/o Corr. Coupon, w/ Comm- Flex Conduit
- J= Dolphin, w/o Corr. Coupon, w/ Comm- Liquid Conduit
- K= Dolphin, w/ Corr. Coupon, w/o Comm- Flex Conduit
- L= Dolphin, w/ Corr. Coupon, w/o Comm- Liquid Conduit
- M= Dolphin, w/ Corr. Coupon, w/ Comm- Flex Conduit
- N= Dolphin, w/ Corr. Coupon, w/ Comm- Liquid Conduit
- X= Special

**Code 44= Compressor Type**
- H= Semi Hermetic Discus, R22
- K= Semi Hermetic Discus, R407C

**Code 45= Compressor Isolation**
- 1= Resilient Rubber-In-Shear (RIS)
- 2= Spring Isolation w/ Vibration Eliminators on piping
- X= Special

**Code 46= Piping Options**
- Y= None
- 1= Hot Gas Bypass, Circuit #1
- 2= Hot Gas Bypass, Circuits 1 & 2
- 3= Replaceable Filter Drier Core
- 4= Hot Gas Bypass, Circuit #1 & Replaceable Filter Drier Core
- 5= Hot Gas Bypass, Circuits #1, 2 & Replaceable Filter Drier Core
- X= Special

**Code 47= Low Ambient Operation**
- A= Speedtrol w/ ABB VFD
- B, S= Speedtrol w/ Daikin Applied VFD
- G= Speedtrol w/ Graham/Danfoss VFD
- Q= Speedtrol w/ Schneider VFD
- R= Speedtrol w/ Reliance VFD
- X= Special

**Code 48= IBC Seismic Construction/Compressor Power Factor Capacitors**
- Y= None
- P= Power Factor Capacitors
- I= Seismic Construction
- X= Special

**Code 49= Fan Section Options**
- Y= None
- A= SA Fan Belt Guard
- B= SA Fan Section Light
- C= SA Fan Belt Guard & SA Fan Section Light
- D= SA & RA Fan Belt Guard
- E= SA & RA Fan Section Light
- F= SA & RA Fan Belt Guard & Fan Section Light
- X= Special

**Code 50= Miscellaneous (Mid 2012 & Earlier)**
- YY= None
- XX= Special

**Code 50= Blender Section (Mid 2012 & Later)**
- Y= None
- L= Low CFM Blender
- H= High CFM Blender
- E= Blank 24" section
- F= Blank 48" section
- X= Special

**Code 51= Packaging (Mid 2012 & Earlier)**
- 1= Steel Skid
- 2= Consolidated Ship w/ Steel Skid
- F= Sheathed Crate
- D= Open Crate

# Nomenclature & Unit Layout
## Unit Model Number- Complete, Continued

**Code 51= Draw-Thru Pre Heat Section (Mid 2012 & Later)**

W22 J 3 E

- E= Electric Actuator
  Y= Less Actuator
- 2= 2 Way Steam Valve
  3= 3 Way HW Valve
  Y= No Valve
- E= 1¼" Valve Pkg.
  F= 1½" Valve Pkg.
  G= 2.0" Valve Pkg.
  H= 2½" Valve Pkg.
  J= 3.0" Valve Pkg.
- S11= 5JA0601H (6FPI, 1 Row 5JA Steam Coil)
  S12= 5JA1201H (12FPI, 1 Row 5JA Steam Coil)
  S13= 5JA0602C (6FPI, 2 Row 5JA Steam Coil)
  S14= 5JA1202C (12FPI, 2 Row 5JA Steam Coil)
  W11= 5WH0901H (9FPI, 1 Row 5WH HW Coil)
  W22= 5WS0902C (9FPI, 2 Row 5 WS HW Coil)

EEEEEE= Blank 24" section
FFFFFF= Blank 48" section
XXXXXX= Special

**Code 52= Parts Warranty (Mid 2012 & Earlier)**
A= Standard One Year Parts
C= Extended One Year Parts, Two Year Total
D= Extended Two Year Parts, Three Year Total
E= Extended Three Year Parts, Four Year Total
F= Extended Four Year Parts, Five Year Total
Z= Special

**Code 52= Drain Pan/Humidifier Section (Mid 2012 & Later)**
YY= None
DY= Drain Pan only 48" section
DH= Drain Pan & Humidifier 48" section

**Code 53= Compressor Warranty (Mid 2012 & Earlier)**
A= Standard One Year Compressor
Q= Extended Four Year Compressor, Five Year Total
Z= Special

**Code 53= Custom Unit Specifications**
YY= None
XX= Special

**Code 54= Heat Exchanger Warranty (Mid 2012 & Earlier)**
Y= None (Code 04 CANNOT= A)
A= Standard One Year Heat Exchanger
R= Extended Nine Year Heat Exchanger, Ten Year Total
Z= Special

**Code 54= Final Filter Section (RPE only) (Mid 2012 & Earlier)**
Y= None
A= Flat Section, 95% Cartridge Filters, 24/24" Section
B= Staggered Section, 95% Cartridge Filters, 24/48" Section
C= Blank 24/24" Section
D= Blank 24/48" Section
E= Flat Section, 95% Cartridge Filters w/ Intersept, 24/24" Section
F= Staggered Section, 95% Cartridge Filters w/ Intersept, 24/48" Section
X= Special

**Codes 54- 57= Not RPE/RDE Code Items (Mid 2012 & Later)**
YYYYYYYY= None

**Code 58= Return Air Fan Drive Selection (Mid 2012 & Later)**
YYYYY= No Return Air Fan
XXXXX= Special

_ _ _ _ A
Required RPM — Service Factor/ Drive Type

Service Factor/Pitch Type
A= Std. SF/Fixed Pitch
B= 150% SF/Fixed Pitch
C= Std. SF/Variable Pitch
D= 150% SF/Variable Pitch

**Code 59= Supply Air Fan Drive Selection (Mid 2012 & Later)**
XXXXX= Special

_ _ _ _ A
Required RPM — Service Factor/ Drive Type

Service Factor/Pitch Type
A= Std. SF/Fixed Pitch
B= 150% SF/Fixed Pitch
C= Std. SF/Variable Pitch
D= 150% SF/Variable Pitch

**Code 60= Miscellaneous (Mid 2012 & Later)**
YY= None
XX= Special

**Code 61= Packaging (Mid 2012 & Later)**
1= Steel Skid
2= Consolidated Ship w/ Steel Skid
F= Sheathed Crate
D= Open Crate

**Code 62= Parts Warranty (Mid 2012 & Later)**
A= Standard One Year Parts
C= Extended One Year Parts, Two Year Total
D= Extended Two Year Parts, Three Year Total
E= Extended Three Year Parts, Four Year Total
F= Extended Four Year Parts, Five Year Total
Z= Special

**Code 63= Compressor Warranty (Mid 2012 & Later)**
A= Standard One Year Compressor
Q= Extended Four Year Compressor, Five Year Total
Z= Special

**Code 64= Heat Exchanger Warranty (Mid 2012 & Earlier)**
Y= None (Code 04 CANNOT= A)
A= Standard One Year Heat Exchanger
R= Extended Nine Year Heat Exchanger, Ten Year Total
Z= Special

**Code 65= Factory Code (Mid 2012 & Later)**
077C= Unit Configurator

**Code 66= Drain Connection (Mid 2012 & Later)**
R= RH (Drive side)
L= LH (opposite drive side)

# Nomenclature & Unit Layout
## Electrical Legend

| Schematic Sym. | Description | Location [1] |
|---|---|---|
| ACT3, 4 | Actuator Motors- Economizer Dampers | Economizer Section |
| ACT5 | Actuator Motor- Discharge Isolation Damper | Discharge Section |
| ACT6 | Actuator Motor- Return Air Isolation Damper | Return Air Section |
| ACT7 | Actuator Motor- Heat Face/Bypass | Coil Section, Heat |
| ACT8 | Actuator Motor- Cool Face/Bypass | Coil Section, Cool |
| ACT10, 11 | Actuator Motors- Exhaust Dampers | Return Air Section |
| ACT61 | Actuator Motor- Sump Fill | Vestibule Section |
| ACT62 | Actuator Motor- Sump Blow Down | Vestibule Section |
| ACT63 | Actuator Motor- Auto System Drain | Vestibule Section |
| ACT64 | Actuator Motor- Sump Purge | Vestibule Section |
| AFD10 | Adjustable Frequency Drive- Supply Fan | AFD/Supply Fan Sect. |
| AFD11 | Adjustable Frequency Drive- Condenser Fans | Main/Cond. Control Box |
| AFD20 | Adjustable Frequency Drive- Return/Exhaust Fan | AFD/Supply/Exhaust Sect. |
| AS | Blower Air Switch | Gas Heat Section |
| BM | Burner Blower Motor | Gas Heat Section |
| C1- C8 | Power Factor Capacitors- Compressors | Condenser Section |
| C10 | Power Factor Capacitors- Supply Fan | Supply Air Section |
| C11 | Capacitor- SpeedTrol (Circuit #1) | Condenser Bulkhead |
| C20 | Power Factor Capacitors- Return Fan | Return Air Section |
| C21 | Capacitor- SpeedTrol (Circuit #2) | Condenser Bulkhead |
| CB10 | Circuit Breaker- Supply Fan | Main Control Box |
| CB11 | Circuit Breaker- Condenser Fans | Main/Cond. Control Box |
| CB20 | Circuit Breaker- Return Fan | Main Control Box |
| CCB1, 2 | Compressor Control Boards (MicroTech II) | Main/Cond. Control Box |
| COMPR1- 4 | Compressors | Condenser Section |
| CS1, 2 | Control Switches- Refrigerant Circuits | Main/Cond. Control Box |
| DAT | Discharge Air Temperature Sensor | Discharge section |
| DFLH | Design Flow Sensor- Left Hand | Return Section |
| DFRH | Design Flow Sensor- Right Hand | Return Section |
| DHL | Duct High Limit | Main Control Box |
| Dolphin T1 | Transformer, Sump | Vestibule |
| Dolphin T2 | Transformer, Make Up Water | Vestibule |
| Dolphin CTL1 | Conductivity Control | Vestibule |
| DS1 | Disconnect- Total Unit or Condenser/Heat | Main Control Box |
| DS2 | Disconnect- SAF/RAF/Controls | Main Control Box |
| DS3 | Disconnect- Electric Heat | Electric Heat Section |
| DS6 | Disconnect- Factory Powered Outlet | Condenser Section |
| EFT | Entering Air Temperature Sensor | Supply Fan Section |
| EHB1 | Staged Electric Heat Board (MicroTech II) | Main Control Box |
| EXPA- D | Expansion Boards (MicroTech III) | Main Control Box |
| F1, 1A | Fuses- Control Circuit, T1 Primary | Main Control Box |
| F1C | Fuse- Control Circuit, T1 Secondary | Main Control Box |
| F2 | Fuse- Control Circuit, T2 Primary | Main Control Box |
| F3 | Fuse- Burner Motor | Main Control Box |
| F6A, B | Fuses- T6 Transformer, Primary | Condenser Section |
| F6C | Fuse- T6 Transformer, Secondary | Condenser Section |
| FB9, 10 | Fuseblocks- Supply Fan | Main/Cond. Control Box |
| FB11, 12, 22, 23, F11S | Fuseblocks- SpeedTrol | Main/Cond. Control Box |

[1] Component locations listed are are typical and are to be used for reference only.

# Nomenclature & Unit Layout
## Electrical Legend, Continued

| Schematic Sym. | Description | Location [1] |
|---|---|---|
| FB19, 20 | Fuseblocks- Exhaust/Return Fan | Main/Cond. Control Box |
| FB31- 40 | Fuseblocks- Electric Heat (Top Bank) | Electric Heat Section |
| FB41- 50 | Fuseblocks- Electric Heat (Bottom Bank) | Electric Heat Section |
| FB64 | Fuseblock- Condenser Water Pump | Main/Cond. Control Box |
| FB65 | Fuseblock- Condenser Sump Heater | Main/Cond. Control Box |
| FD | Flame Detector | Gas Heat Section |
| FLC | Fan Limit Control | Gas Heat Section |
| FP1, 2 | Frost Protection- Refrigeration Circuits | Coil Section, Cool |
| FS1, 2 | Freezestats | Coil Section, Heat/Cool |
| FSG | Flame Safeguard | Gas Heat Section |
| GCB1 | Generic Condenser Board (MicroTech II) | Main Control Box |
| GFS1/GFR1 | Ground Fault Sensor/Relay | Main Control Box |
| GFS2/GFR2 | Ground Fault Sensor/Relay | Main Control Box |
| GFS4/GFR4 | Ground Fault Sensor/Relay | Condenser Control Box |
| GRD | Ground | All Control Boxes |
| GV1 | Gas Valve- Pilot | Gas Heat Section |
| GV2 | Gas Valve- Main/Safety | Gas Heat Section |
| GV3 | Gas Valve- Redundant/Safety | Gas Heat Section |
| GV4- 8 | Gas Valves- Main, Hi-Turn Down | Gas Heat Section |
| HL1- 10 | High Limits- Elec. Heaters, Power (Top Bank) | Electric Heat Section |
| HL11- 20 | High Limits- Elec. Heaters, Power (Bottom Bank) | Electric Heat Section |
| HL22 | High Limit- Gas Heat (Prefilters) | Supply Air Section |
| HL23 | High Limit- Gas Heat (Final Filter) | Final Filter Section |
| HL31- 40 | High Limits- Elec. Heaters, Control (Top Bank) | Electric Heat Section |
| HL41- 50 | High Limits- Elec. Heaters, Control (Bottom Bank) | Electric Heat Section |
| HP1- 4 | High Pressure Controls- Refrigerant | On Compressors |
| HP5 | High Pressure Control- Gas | Gas Heat Section |
| HS1 | Heat Switch- Electric Shutdown | Main Control Box |
| HS3 | Heat Switch- Electric Heat Deadfront Interlock | Electric Heat Section |
| HTR1- 4 | Compressor Crankcase Heaters | On Compressors |
| HTR65 | Heater- Sump | Condenser Section |
| HTR66 | Heater- Vestibule | Condenser Vestibule |
| IT | Ignition Transformer | Gas Heat Section |
| LP1, 2 | Low Pressure Controls- Refrigerant | On Compressors |
| LP5 | Low Pressure Control- Gas | Gas Heat Section |
| LR10 | Line Reactor- Supply Fan | Inverter Bypass CB |
| LR11, 21 | Line Reactors- SpeedTrol | Condenser Section |
| LR20 | Line Reactor- Return/Exhaust Fan | Inverter Bypass/Main CB |
| LS1, 2 | Limit Switches- Low Fire/High Fire | Gas Heat Section |
| LT10 | Light- Supply Fan | Supply Air Section |
| LT11 | Light- Return Fan | Return Air Section |
| LT12 | Light- Heat Section | Heat Section |
| LT13 | Light- Filter Section | Filter Section |
| LT14 | Light- Final Filter Section | Final Filter Section |
| LT15 | Light- Discharge Section | Discharge Section |
| LT16 | Light- Blow-Thru Coil Section | Blow-Thru Coil Section |
| LT17 | Light- Evaporator Coil Section | Evaporator Coil Section |
| LT18 | Light- Preheat Section | Preheat Section |
| LT19 | Light- Blank Section | Blank Section |

[1] Component locations listed are are typical and are to be used for reference only.

# Nomenclature & Unit Layout
## Electrical Legend, Continued

| Schematic Sym. | Description | Location [1] |
|---|---|---|
| LT20 | Light- Blank Compartment | Blank Compartment |
| LT21 | Light- Draw-Thru Coil Section | Draw-Thru Coil Section |
| LT22 | Light- Condenser Section | Condenser Section |
| LT23 | Light- Vestibule | Condenser Vestibule |
| M1- 4 | Contactors- Compressors | Main/Cond. Control Box |
| M10 | Contactor- Supply Fan | Main Control Box |
| M11- 18 | Contactors- Condenser Fans, Circuit #1 | Main/Cond. Control Box |
| M20 | Contactor- Return Fan | Main Control Box |
| M21- 28 | Contactors- Condenser Fans, Circuit #2 | Main/Cond. Control Box |
| M29 | Contactor- Burner Motor | Gas Heat Section |
| M30 | Contactor- Supply Fan Inverter Bypass | Inverter Bypass Box |
| M31- 39 | Contactors- Elec. Heaters (Top Bank) | Electric Heat Section |
| M40 | Contactor- Return Fan Inverter Bypass | Inverter Bypass Box |
| M41- 50 | Contactors- Elec. Heaters (Bottom Bank) | Electric Heat Section |
| M64 | Contactor- Sump Pump | Main/Cond. Control Box |
| M65 | Contactor- Sump Heater | Main/Cond. Control Box |
| MCB | Microprocessor Control Board | Main Control Box |
| MJ | Mechanical Jumpers | All Control Boxes |
| MMP1- 4 | Manual Motor Protectors- Compressors | Main/Cond. Control Box |
| MMP10 | Manual Motor Protector- Supply Fan | Main Control Box |
| MMP11- 18 | Manual Motor Protectors- Condenser Fans Ckt. 1 | Main/Cond. Control Box |
| MMP20 | Manual Motor Protector- Return Fan | Main Control Box |
| MMP21- 28 | Manual Motor Protectors- Condenser Fans Ckt. 2 | Main/Cond. Control Box |
| MMP30 | Manual Motor Protector- Supply Fan Inverter Bypass | Inverter Bypass Box |
| MMP40 | Manual Motor Protector- Return Fan Inverter Bypass | Inverter Bypass Box |
| MMP51- 53 | Manual Motor Protectors- Prop Exhaust Fan Motors | Return Air Section |
| MMP64 | Manual Motor Protector- Sump Pump | Main/Cond. Control Box |
| MP1- 4 | Motor Protectors- Compressors | On Compressors |
| OAE | Outside Air Enthalpy Control | Economizer Section |
| OAT | Outside Air Temperature Sensor | Discharge Bulkhead |
| OP1- 4 | Oil Pressure Controls- Compressors | Condenser Section |
| PB1, 2 | Powerblocks- Power Distribution | Main Control Box |
| PB3 | Powerblock- Electric Heat | Electric Heat Section |
| PB4 | Powerblock- Condenser | Condenser Control Box |
| PB9, 10 | Powerblocks- Supply Fan | Unit Split Junction Box |
| PB11, 12 | Powerblocks- Power Distribution | Main Control Box |
| PB19, 20 | Powerblocks- Return/Exhaust Fan | Unit Split Junction Box |
| PC5 | Pressure Control- Clogged Filter | Pre Filter Section |
| PC6 | Pressure Control- Clogged Final Filter | Final Filter Section |
| PC7 | Pressure Control- Proof of Airflow | Supply Air Filter |
| PC8 | Pressure Control- Minimum Airflow | Coil Section, Cool |
| PS1- 3 | Pumpdown Switches- Refrigerant Circuits | Main/Cond. Control Box |
| PT1, 2, 11, 21 | Pressure Transducers- SpeedTrol | Pressure/Cond. Section |
| PVM1, 2 | Phase Voltage Monitors | Main Control Box |
| PVM4 | Phase Voltage Monitor- Condenser | Condenser Control Box |
| R1, 2 | Relays- High Pressure Reset | Main/Cond. Control Box |
| R3, 4 | Relays- Hi Pressure Delay | Main/Cond. Control Box |
| R5- 8 | Relays- Compressor, Safety/Cool Fail | Main/Cond. Control Box |
| R9, 10 | Relays- Compressor Lockout | Main/Cond. Control Box |

[1] Component locations listed are are typical and are to be used for reference only.

# Nomenclature & Unit Layout
## Electrical Legend, Continued

| Schematic Sym. | Description | Location [1] |
|---|---|---|
| R11, 12 | Relays- SpeedTrol Fan Cycling (MicroTech II) | Main/Cond. Control Box |
| R11, 17 | Relays- SpeedTrol Inverter Enable | Main/Cond./Pressure Box |
| R12- 14 | Relays- FanTrol Condenser Fan Cycling | Main Control Box |
| R20 | Relay- Gas, Steam, Hot Water Heat | Gas Section/Main CB |
| R21, 22 | Relays- Gas Heat, High Turndown | Gas Heat Section |
| R23 | Relay- Gas/Electric Heat | Gas Sect./Elec. Ht. CB |
| R24 | Relay- Gas Heat Alarm | Main Control Box |
| R25 | Relay- Gas Heat Start, Supply Fan Inverter | Main Control Box |
| R26 | Relay- Isol./Exh. Dampers Open/Close | Main Control Box |
| R28 | Relay- Isolation Damper Safety | Main Control Box |
| R29 | Relay- Remote Fire Alarm | Main Control Box |
| R30 | Relay- Cool Valve w/ Face & Bypass | Main Control Box |
| R45 | Relay- UV Lights | Main Control Box |
| R46, 47 | Relays- Supply Fan Inverter increase/decrease | Main Control Box |
| R48, 49 | Relays- Return Fan Inverter increase/decrease | Main Control Box |
| R56 | Relay- Water Pipe Heater | Main/Cond. Control Box |
| R57 | Relay- Sump Fill | Main Control Box |
| R61 | Relay- Smoke Detector, Discharge Air | Main Control Box |
| R62, 63, 65 | Relays- Specials | Main Control Box |
| R64 | Relay- Sump Pump | Main/Cond. Control Box |
| R66 | Relay- RA Smoke Detector | Main Control Box |
| R67 | Relay- Supply Fan Enable | Main Control Box |
| R68 | Relay- Return Fan Enable | Main Control Box |
| R69 | Relay- Inverter Bypass VAV Box Interlock | Main Control Box |
| R70- 79 | Relays- Specials | Main Control Box |
| RAE | Return Air Enthalpy Sensor | Return Air Section |
| RAT | Return Air Temperature Sensor | Return Air Section |
| REC1 | Receptacle- Main Box | Main Control Box |
| REC2 | Receptacle- Condenser Box | Condenser Section |
| REC3 | Receptacle- Field Power, 115V | Discharge Bulkhead |
| REC10- 23 | Receptacles- Cabinet Sections | Cabinet Sections |
| S1 | Switch- System On/Off | Main Control Box |
| S3 | Switch- Furnace On/Off | Gas Heat Section |
| S4 | Switch- Inverter Bypass On/Off | Main Control Box |
| S7 | Switch- Local On/Off/Auto to Controller | Main Control Box |
| S10- 23 | Switches- Cabinet Section Lights | Cabinet Sections |
| S40- 45 | Switches- Door Interlock, UV Lights | Cabinet Sections |
| SD1 | Smoke Detector- Supply Air | Discharge Section |
| SD2 | Smoke Detector- Return Air | Return Air Section |
| SHS1 | Space Humidity Sensor | Return Section/Field Inst. |
| SPS1, 2 | Static Pressure Sensors- Duct or Building | Main Control Box |
| SR1- 3 | Sequence Relays- Electric Heat | Electric Heat Section |
| SV1, 2 | Solenoid Valves- Liquid | Condenser Section |
| SV5, 6 | Solenoid Valves- Hot Gas Bypass | Condenser Section |
| SV61, 62 | Solenoid Valves- Sump Fill | Main/Cond. Control Box |
| SV63 | Solenoid Valve- Sump Drain | Main/Cond. Control Box |
| SWT | Sensor- Sump Water Temperature | Condenser Section |
| T1 | Transformer- Main Control, 115V | Main Control Box |

[1] Component locations listed are are typical and are to be used for reference only.

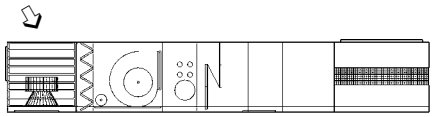
# Nomenclature & Unit Layout
## Electrical Legend, Continued

| Schematic Sym. | Description | Location [1] |
|---|---|---|
| T2 | Transformer- Control Input, 115/24V | Main Control Box |
| T3 | Transformer- Control Output, 115/24V | Main Control Box |
| T4 | Transformer- Exhaust Damper Actuator, 115/12V | Main Control Box |
| T5 | Transformer- Electric Heat | Electric Heat Section |
| T6 | Transformer- Unit Supplied, 115V | Condenser Section |
| T9 | Transformer- Refrigerant Circuit, 24V | Main Control Box |
| TB1, 3 | Terminal Blocks- Factory | Main Control Box |
| TB2, 4 | Terminal Blocks- Field | Main/Cond. Control Box |
| TB5, 6 | Terminal Blocks | Condenser Section |
| TB7, 8 | Terminal Blocks- 115V Convenience Outlet | Main/Cond. Control Box |
| TB11 | Terminal Block- Heat | Gas Sect./Elec. Ht. CB |
| TB23 | Terminal Block- Oil Pressure Box | Condenser Vestibule |
| TB25- 28 | Terminal Blocks- Split Unit Junction Box | Unit Split Junction Box |
| TC12- 14 | Temperature Controls- FanTrol | Condenser Control Box |
| TC56 | Temperature Control- Water Pipe Heater | Condenser Vestibule |
| TC66 | Temperature Control- Vestibule Exhaust Fan | Condenser Vestibule |
| TD1, 2 | Time Delays- Compressor Lockout | Main/Cond. Control Box |
| TD3, 4 | Time Delays- High Pressure | Main/Cond. Control Box |
| TD10 | Time Delay- Hi-Turn Down Burner | Gas Heat Section |
| TD11, 12 | Time Delays- Low Ambient | Main/Cond. Control Box |
| TD20 | Time Delay- Return Air Fan | Main Control Box |
| TD64 | Time Delay- Oil Pressure | Condenser Section |
| TR1, 2 | Transducer- Pressure | Main Control Box |
| U1, 2 | Unloaders- Compressors | On Compressors |
| UV | Ultra Violet Lights | Coil/Discharge Section |
| VFD10 | Adjustable Frequency Drive- Supply Fan | Dr-Thru/Supply Fan Sect. |
| VFD11, 21 | Adjustable Frequency Drives- SpeedTrol | Condenser Section |
| VFD20 | Adjustable Frequency Drive- Return/Exhaust Fan | Dr-Thru/Ret/Exh Fan Sect. |
| VM1 | Valve Motor- Heating | Heating Section |
| VM5 | Valve Motor- Cooling | Coil Section, Cool |
| VV1 | Vent Valve | Gas Heat Section |
| WL63 | Water Level- Sump Fill | Condenser Section |
| WL64 | Water Level- Sump Low Water | Condenser Section |
| ZNT1 | Zone Temperature Sensor- Control | Field Installed |

[1] Component locations listed are are typical and are to be used for reference only.

# Section A- Outdoor Air/Return Air/Economizer Section

## Notes



Primary Unit Model Codes that Pertain: 19, 20, 21, 22, 23 (Mid 2012 & Earlier), 24, 59 (Mid 2012 & Later)
Additional Codes that pertain: 06, 09, 12, 16, 17, 49

Codes 19 and 20 determine the base section. Code 19 refers to the Return Air Plenum, and determines if the unit has bottom return air (Code 19= B*), back return air (Code 19= H*), or side return air (Code 19= S*). A Return Air Plenum is required for any outdoor air application with an Economizer (Code 20= D*, E*, F*, G*, H*, J*). The only case in which a Plenum is NOT required is when a 100% Outdoor Air Damper and Hood are ordered (Code 20= AE).

Codes 21, 22, 23 (Mid 2012 & Earlier), AND/OR 59 (Mid 2012 & Later) determine the Return Air Fan, Motor, and Drive components. These codes only pertain to units with a 0- 100% Economizer (Code 20= D*, E*, F*, G*, H*, J*). Fan section parts, Fan Wheels, and Motors are listed in this section. **Drive components (Fan Sheave, Motor Sheave, V-belt(s), and Sheave Bushing(s) [if required]) are NOT listed as they are unique to the unit. If a drive component is required you may use the number from the part and cross reference it with the Drive Components Cross Reference, form number 571006, or contact Daikin Applied with model and serial number information for identification.** Fan Motors range from 3- 60 horsepower, and the Fan Wheel is a 44" Single Width Airfoil (AFSW).

Code 24 indicates whether the unit is equipped with two or three Exhaust Fans and Exhaust Hoods.

Code 06 determines the panels used in final cabinet assembly. **For sheet metal components that make up the Outdoor/Return Air/Economizer Section, contact Daikin Applied with model and serial number information to ensure that the correct liners, insulation and hardware are ordered. For Standard Door Latching Assemblies, see Section H- Blow-Thru Heat Blank Access Section.**

Code 09, unit voltage, is part of the Return Fan Motor part number identification.

Code 12, the control system, comes into play when an Economizer is present by modulating airflow through the unit.

If Code 16= 1, 3 a Smoke Detector (SD2) is present in the Return Air Section.

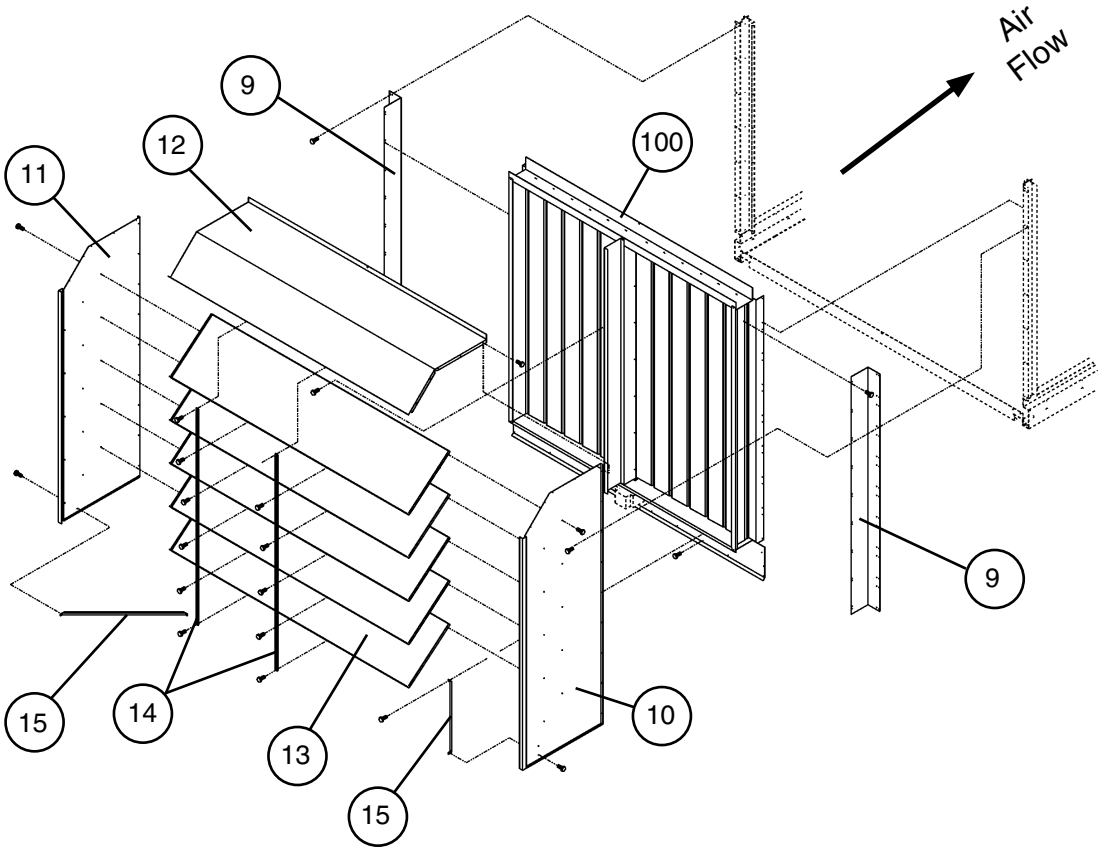
Code 17 determines if the unit has auxiliary controls such as Enthalpy Control, Freezstats, Phase Failure, Ground Fault, Line Reactors, and/or UV Lights.

Code 49 determines if the Return Air Fan has a Fan Belt Guard and/or a Cabinet Light. If Code 49= D, the Return Air Section has a Fan Belt Guard. If Code 49= E the Return Air Section has a Cabinet Light. Code 49= F indicates both options have been selected.

# Section A- Outdoor Air/Return Air/Economizer Section

## 100% Outside Air Damper with Hood & No Return Air Plenum

## Code 20= AE AND Code 19= YY



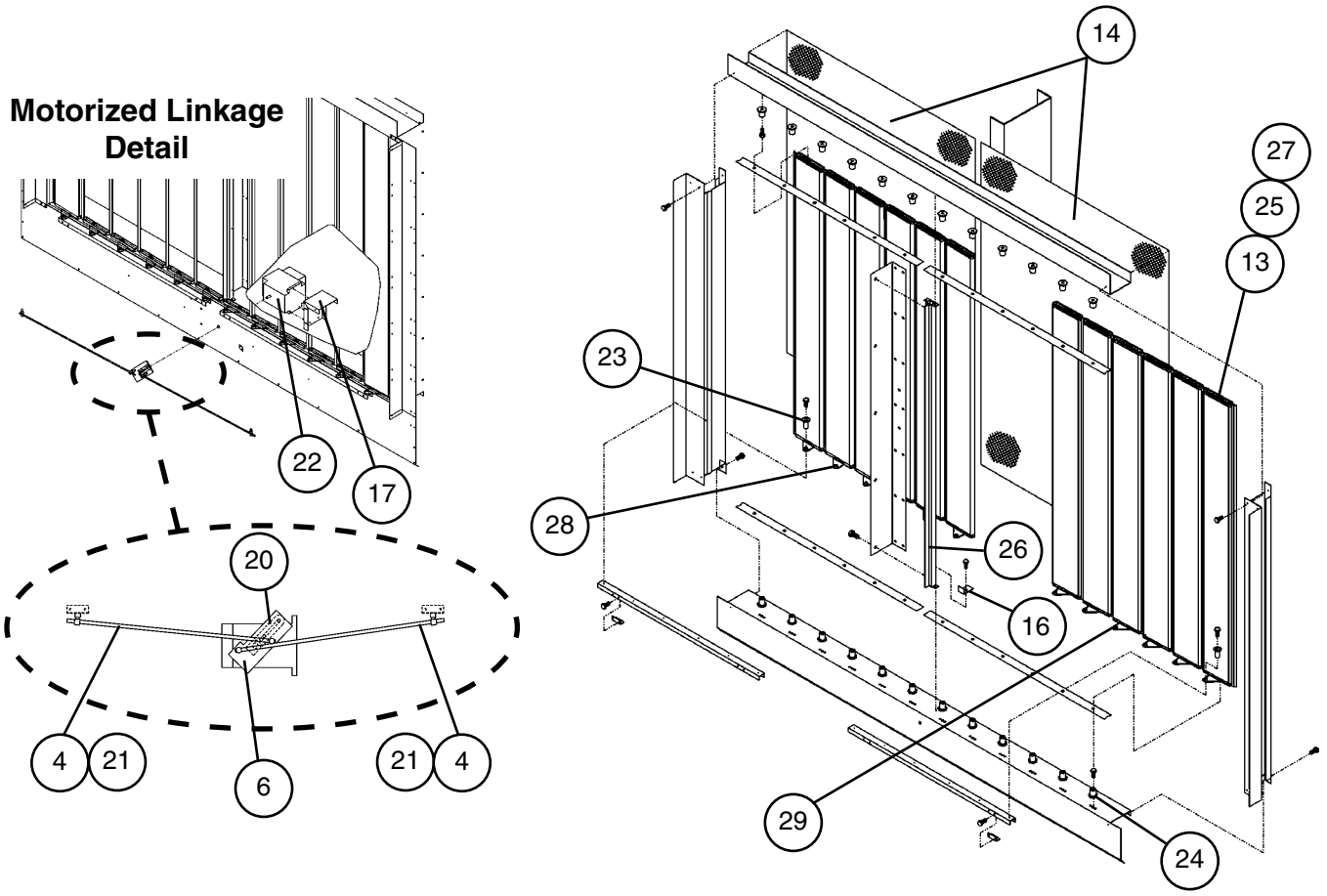

| Ref. No. | Part Description | Part Number | Qty. |
|---|---|---|---|
| 100 | Damper Assy. [1] | 098313801 | 1 |
| 9 | Liner | 056132701 | 2 |
| 10 | Panel- Hood Side | 056132203 | 1 |
| 11 | Panel- Hood Side | 056132204 | 1 |
| 12 | Panel- Hood Top | 056131802 | 1 |
| 13 | Louver | 056132002 | 5 |
| 14 | Channel- Support | 056132403 | 2 |
| 15 | Channel- Support | 056132102 | 2 |

[1] This assembly includes the Damper and Linkage, but NO Actuator. For Damper & Actuator components refer to the following page.

# Section A- Outdoor Air/Return Air/Economizer Section

## 100% Outside Air Damper

## Code 20= AE AND Code 19= YY (12/07 & Earlier) [1]



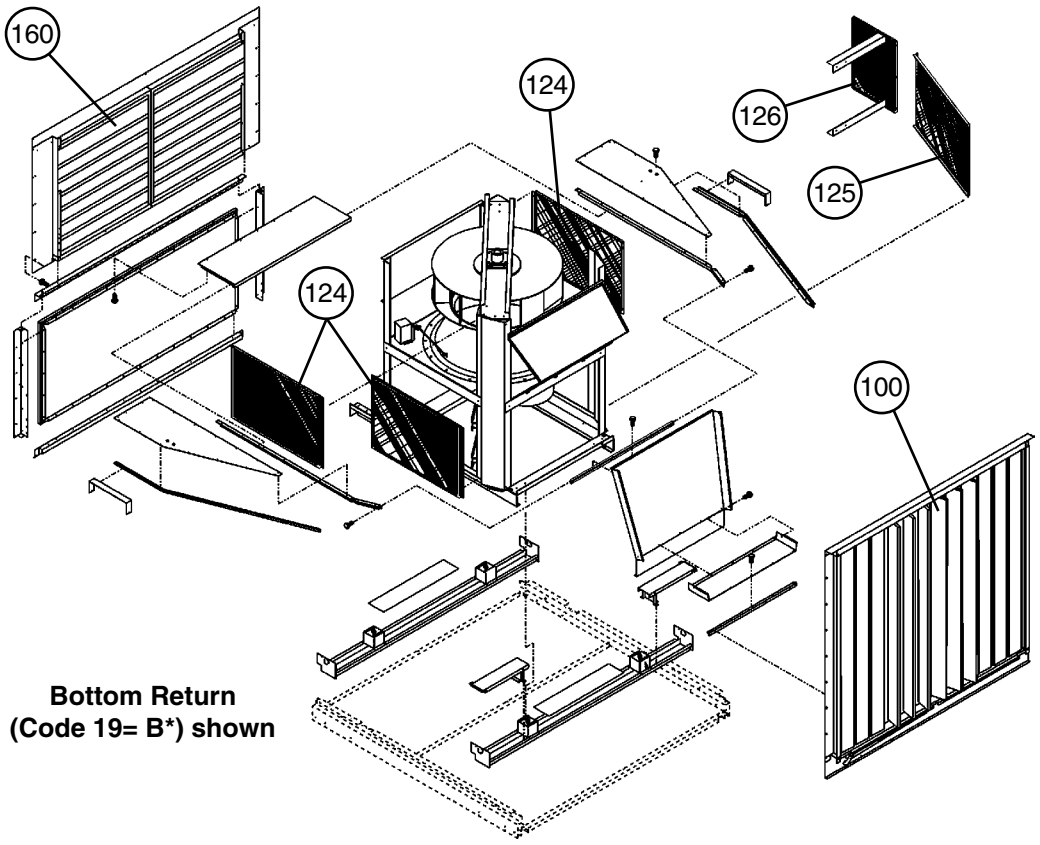

| Ref. No. | Part Description | Part Number | Qty. |
|---|---|---|---|
| 4 | Shaft- Linkage | 055979701 | 2 |
| 6 | Adapter Plate- CrankArm | 055542001 | 1 |
| 13 | Blade- Damper | 044195103 | 13 |
| 14 | Grille | 055982601 | 2 |
| 16 | Stop/Anti- Rotate- Damper | 065779801 | 2 |
| 17 | Support- Damper Motor | 055982001 | 1 |
| 20 | Crank Arm- Damper | 032279200 | 1 |
| 21 | Ball Joint- Damper | 000887000 | 4 |
| 22 | Actuator- Motorized (ACT3) | 059999804 | 1 |
| 23 | Bushing- Linkage Bar, Nylon | 046098300 | 12 |
| 24 | Bushing- Damper Blade, Nylon | 043730400 | 24 |
| 25 | Gasket- Vinyl | 044193116 | 12 |
| 26 | Gasket- Vinyl | 045655716 | 1 |
| 27 | Plug- Damper End | 041003501 | 12 |
| 28 | Plug- Damper End | 041003502 | 6 |
| 29 | Plug- Damper End | 041003503 | 6 |

[1] For units built 1/08 & Later contact Daikin Applied with model and serial number information so that the correct part(s) can be identified.

# Section A- Outdoor Air/Return Air/Economizer Section

## 0- 100% Economizer Section with Barometric Exhaust Damper & Return Air Fan

## Code 20= DE, EE, FE, GE




**Bottom Return**
**(Code 19= B*) shown**

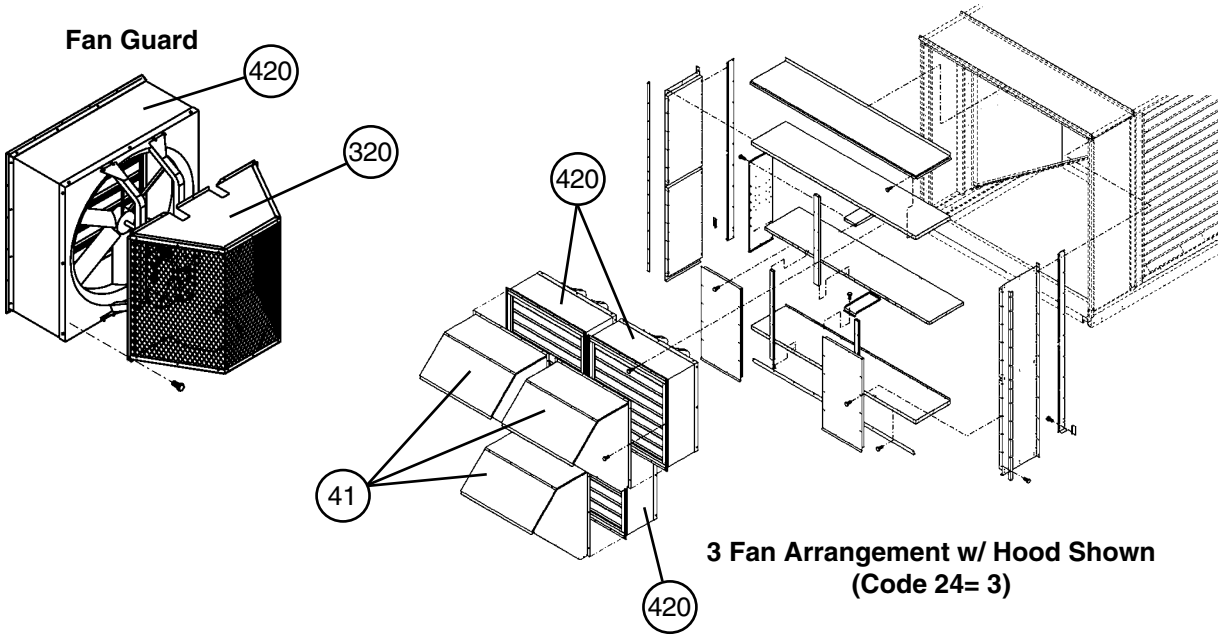
| Ref. No. | Part Description | | Part Number | Qty. |
|---|---|---|---|---|
| 100 | Economizer Damper | (Code 20= DE, EE, FE, GE) | [1] | 1 |
| 160 | Exhaust Damper Assy [2] | | | |
| | Powered | (Code 20= EE, GE) | 112040401 | 1 |
| | Barometric | (Code 20= DE, FE) | 112039601 | 1 |
| 124 | Fan Guard | | 055957610 | 3 |
| 125 | Fan Guard | | 055957611 | 1 |
| 126 | Fan Guard | | 055957612 | 1 |

[1] Contact Daikin Applied with model and serial number information so that the correct Damper Assembly can be identified. Economizer detail follows one page after next.

[2] Exhaust Damper detail follows five pages after next.

# Section A- Outdoor Air/Return Air/Economizer Section

## 0- 100% Economizer Section with Prop Exhaust Fan & Damper
## Code 20= HE, JE AND Code 24= 2, 3




**3 Fan Arrangement w/ Hood Shown (Code 24= 3)**

| Ref. No. | Part Description | | Part Number | Qty. |
|---|---|---|---|---|
| N/S | Economizer Damper w/ Actuator | (Code 20= HE, JE) | [2] | 1 |
| 41 | Hood- Prop Exhaust | | 111182301 | 1 [1] |
| | Grille- Prop Exhaust | | 111181101 | 1 [1] |
| 320 | Fan Guard | | 111181401 | 1 [1] |
| | Grill- Fan Guard | | 111181901 | 1 [1] |
| 420 | Exhaust Fan Assembly [3] | 208/230/460V | 111056601 | [4] |
| | Exhaust Fan Assembly [3] | 575V | 111056602 | [4] |

N/S= Not Shown on diagram.

[1] Quantity is PER fan.

[2] Contact Daikin Applied with model and serial number information so that the correct Damper Assembly can be identified. Economizer detail follows on the next two pages.

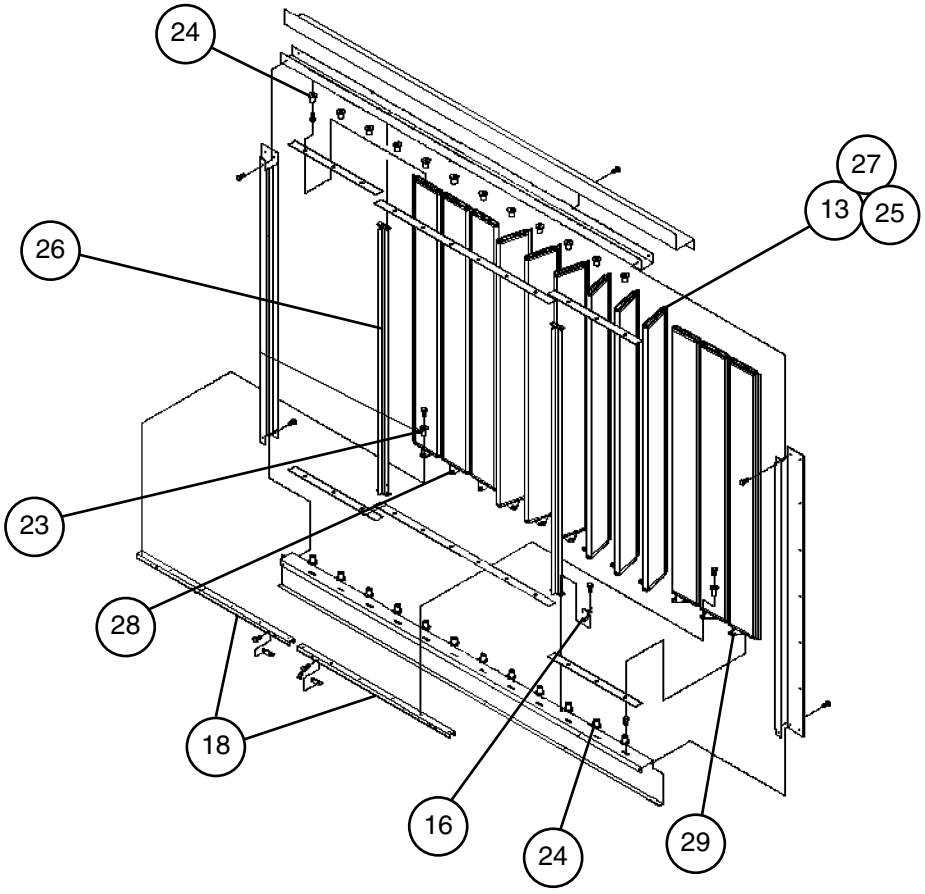
[3] Exhaust Fan detail follows four pages after next.

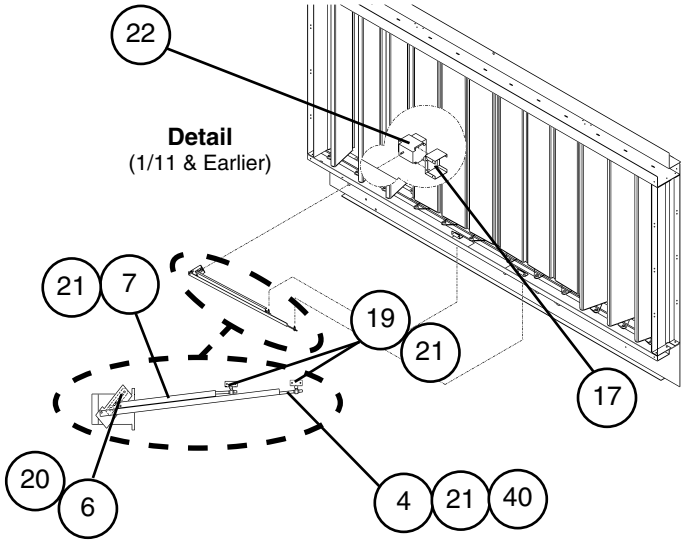
[4] Quantity may be two (Code 24= 2) OR three (Code 24= 3).

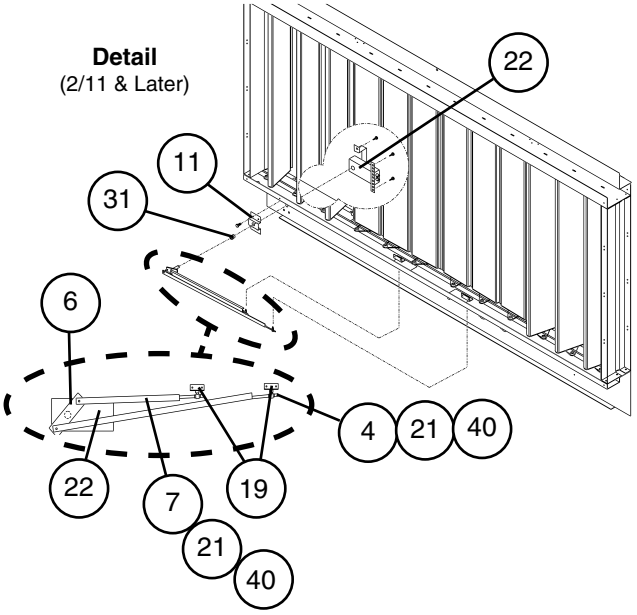
# Section A- Outdoor Air/Return Air/Economizer Section

## 0 - 100% Economizer Damper w/ Actuator ACT3- Diagrams

## Code 20= DE, EE, FE, GE, HE, JE



# Section A- Outdoor Air/Return Air/Economizer Section
## 0 - 100% Economizer Damper w/ Actuator ACT3- Components
## Code 20= DE, EE, FE, GE, HE, JE

| Ref. No. | Part Description | | Part Number | Qty. |
|---|---|---|---|---|
| 4 | Shaft Assembly | | 058390001 | 1 |
| 6 | Plate- Crank Arm | 1/11 & Earlier | 055542001 | 1 |
| | Shaft Assy.- Damper Linkage | 2/11 & Later | 066302059 | 1 |
| 7 | Shaft- Linkage | | 058389901 | 1 |
| 11 | Channel- Actuator Mount | 2/11 & Later | 403630501 | 1 |
| 13 | Blade- Damper | | 044195103 | 12 |
| 16 | Stop/Anti-Rotate- Damper | | 065779801 | 4 |
| 17 | Support- Damper Motor | 1/11 & Earlier | 055546601 | 1 |
| 18 | Bar- Linkage | | 044194800 | 2 |
| 19 | Drive Tab- Linkage Bar | | 044194900 | 2 |
| 20 | Crank Arm- Damper | 1/11 & Earlier | 032279200 | 1 |
| 21 | Ball Joint- Damper | | 000887000 | 4 |
| 22 | Actuator, ACT3, 120V | 1/11 & Earlier | 059999804 | 1 |
| | Actuator, ACT3, 24V | 2/11 & Later | 113139501 | 1 |
| 23 | Bushing- Linkage Bar | | 046098300 | 12 |
| 24 | Bushing- Damper Blade | | 043730400 | 24 |
| 25 | Gasket- Vinyl | | 044193116 | 12 |
| 26 | Gasket- Vinyl | | 045655716 | 2 |
| 27 | End Plug- Damper | | 041003501 | 12 |
| 28 | End Plug- Damper | | 041003502 | 6 |
| 29 | End Plug- Damper | | 041003503 | 6 |
| 31 | Bearing- Flange | 2/11 & Later | 047138504 | 1 |
| 40 | Nut | | 040499904 | 4 |
| N/S | Gasket- Neoprene [1] | | 056003501 | 4 |

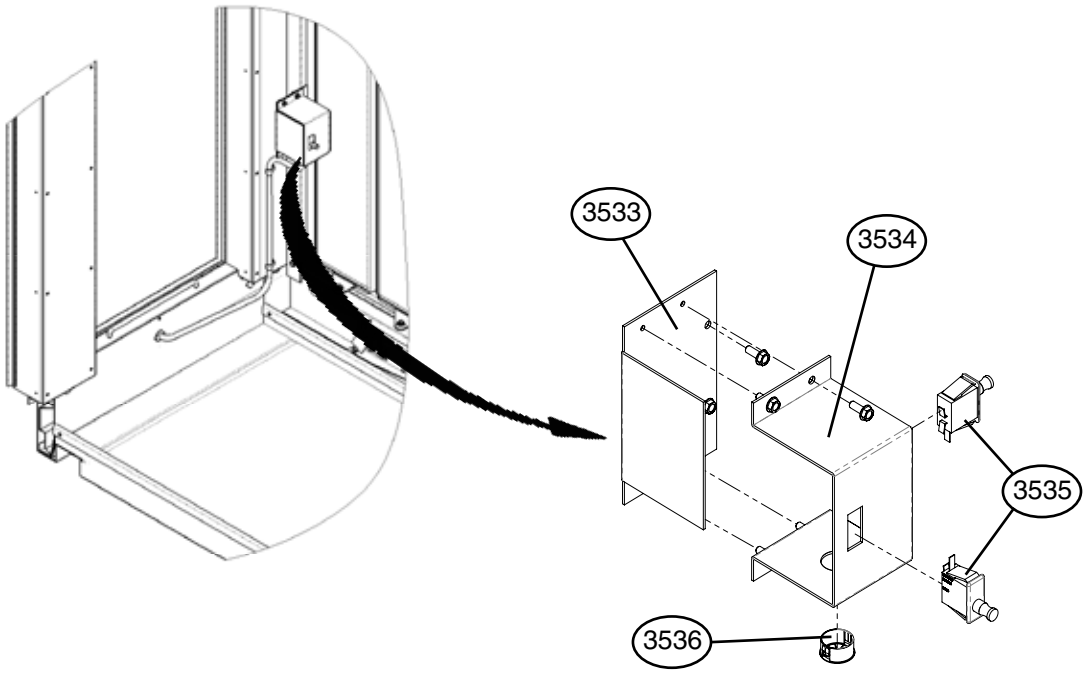
N/S= Not Shown on Diagram.

[1] Applied from outer edge of assembly to inside edge of center support and flush with edge of the bottom channel.

# Section A- Outdoor Air/Return Air/Economizer Section

## California Title 24 Assembly

## Code 33 (Mid 2012 & Later) = *F***



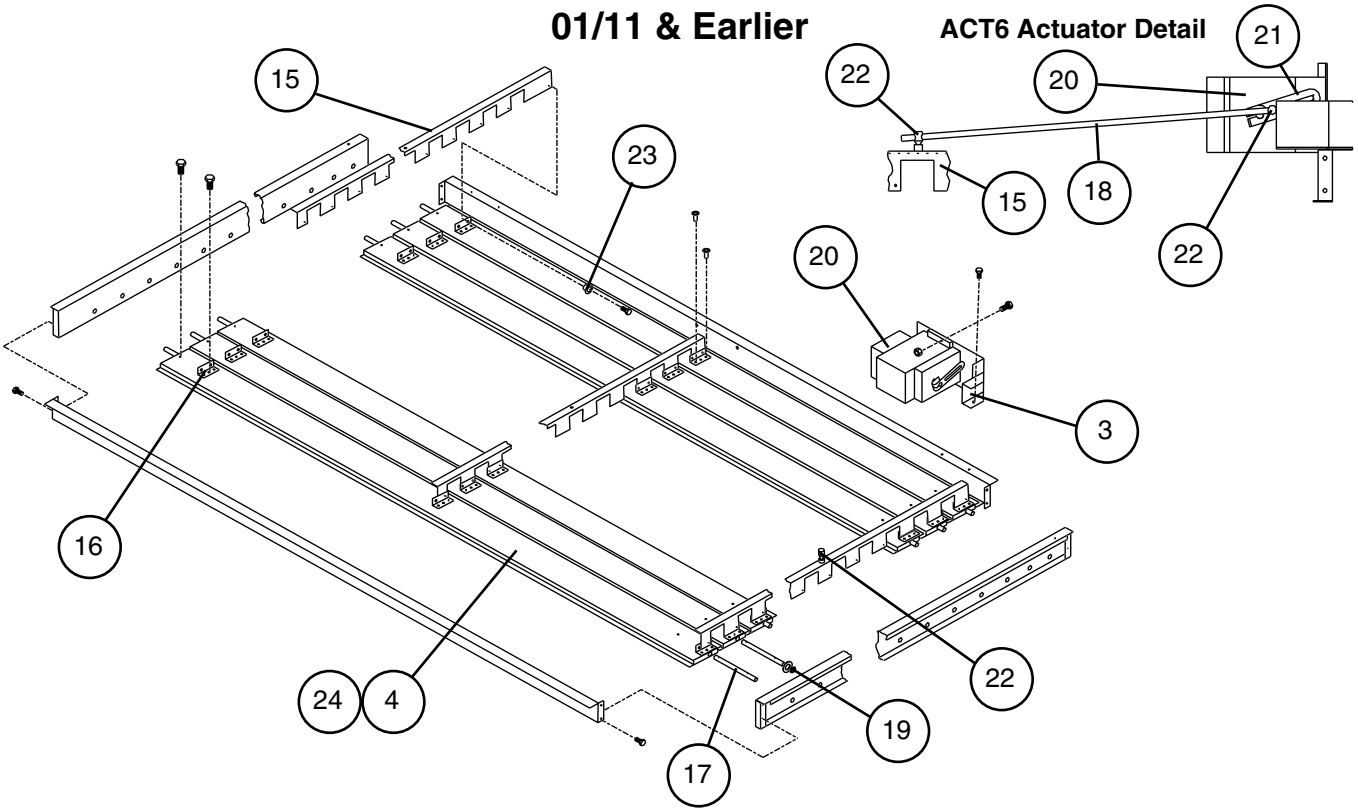

| Ref No. | Part Description | Part Number | Qty. |
|---|---|---|---|
| 3533 | Cover, Mounting Switch | 404159561 | 1 |
| 3534 | Bracket, Mounting Switch | 404159562 | 1 |
| 3535 | Switch, Push Button SPDT | 033696300 | 2 |
| 3536 | Bushing, Conduit | 113116301 | 1 |

# Section A- Outdoor Air/Return Air/Economizer Section

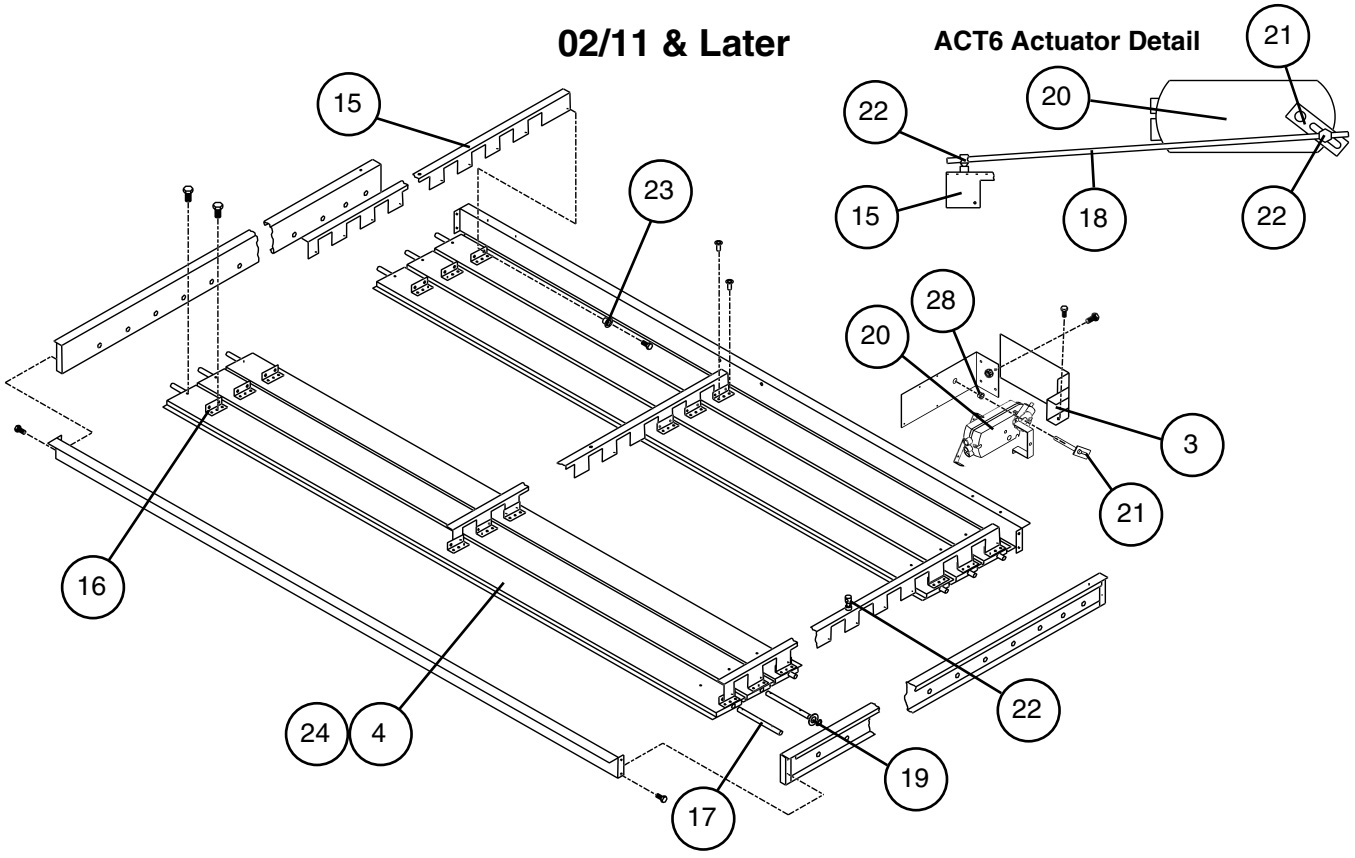
## Return Air Plenum Isolation Damper w/ Actuator ACT6

## Code 19= BE Diagrams

### 01/11 & Earlier




### 02/11 & Later



# Section A- Outdoor Air/Return Air/Economizer Section

## Return Air Plenum Isolation Damper w/ Actuator ACT6

## Code 19= BE

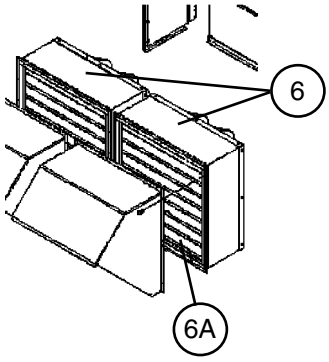
## Components

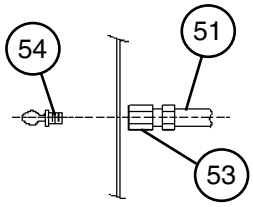
| Ref. No. | Part Description | | Part Number | Qty. |
|---|---|---|---|---|
| | Isolation Damper Assy- Motorized | 1/11 & Earlier | 055921126 | 1 |
| | Isolation Damper Assy- Motorized | 2/11 & Later | 403716306 | 1 |
| 3 | Motor Mount Assembly | 1/11 & Earlier | 055921201 | 1 |
| | Motor Mount Assembly | 2/11 & Later | 055913701 | 1 |
| 4 | Blade Assembly- Return, 4” | | 055921302 | 15 |
| 15 | Angle- Linkage | | 055917902 | 3 |
| 16 | Angle- Blade | | 055638102 | 45 |
| 17 | Shaft- Damper Blade | | 055637801 | 30 |
| 18 | Shaft- Linkage | | 055536601 | 1 |
| 19 | Bearing, Flange, Nylon | | 001113500 | 30 |
| 20 | Actuator- Motorized- SPDT (ACT6), 120V | 1/11 & Earlier | 059999804 | 1 |
| | Actuator- Motorized- SPDT (ACT6), 24V | 2/11 & Later | 113144901 | 1 |
| 21 | Crank Arm- Damper | 1/11 & Earlier | 032279200 | 1 |
| | Crank Arm- Damper | 2/11 & Later | 403717101 | 1 |
| 22 | Ball Joint | | 000887000 | 2 |
| 23 | Bearing- Sleeve | | 047138507 | 45 |
| 24 | Gasket, Vinyl | | 030051985 | 16 |
| 28 | Bearing- Sleeve | 2/11 & Later | 047138504 | 1 |

# Section A- Outdoor Air/Return Air/Economizer Section

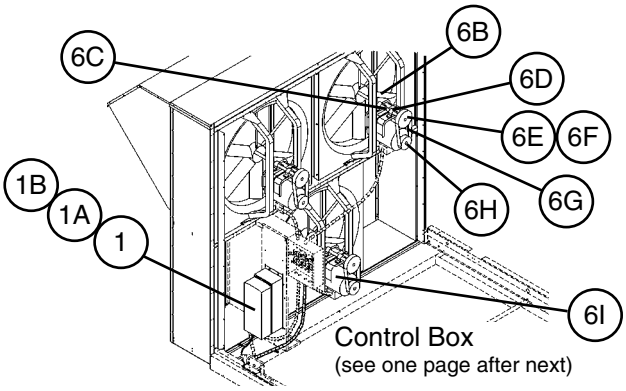
## Prop Exhaust Fan & Damper

## Code 20= HE, JE AND Code 24= 2, 3




**Lube Line Detail**




| Ref. No. | Sch. Sym. | Part Description | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|---|
| | | | | 208V | 230V | 460V | 575V |
| 1 | AFD20 | Inverter see charts on following page | | | | | |
| 1A | | Resistor- Inverter | 044690105 | 1 | 1 | 1 | 1 |
| 1B | | Jumper- Inverter | 055719731 | 3[1] | 3[1] | 3[1] | 3[1] |
| 6 | | Fan Assembly- Complete 208/230/460V | 111056601 | | | | |
| | | Fan Assembly- Complete 575V | 111056602 | | | | |
| 6A | | Damper- Backdraft | [3] | | | | |
| 6B | | Fan Prop, 36” | 300044027 | 1[4] | 1[4] | 1[4] | 1[4] |
| 6C | | Fan Shaft | 300044028 | 1[4] | 1[4] | 1[4] | 1[4] |
| 6D | | Bearing | 300044029 | 2[4] | 2[4] | 2[4] | 2[4] |
| 6E | | Fan Sheave | 019291400 | 1[4] | 1[4] | 1[4] | 1[4] |
| 6F | | Bushing- Fan Sheave | 000804000 | 1[4] | 1[4] | 1[4] | 1[4] |
| 6G | | Belt | 049260805 | 2[4] | 2[4] | 2[4] | 2[4] |
| 6H | | Motor Sheave | 000607600 | 1[4] | 1[4] | 1[4] | 1[4] |
| 6I | | Motor | 300046887 | 1[4] | 1[4] | 1[4] | |
| | | Motor | 300046251 | | | | 1[4] |
| 51 | | Tube- Plastic[2] | 020954800 | 25’ | 25’ | 25’ | 25’ |
| 53 | | Coupling- Tube[2] .25 x .125 FPT | 021213800 | 4 | 4 | 4 | 4 |
| 54 | | Fitting- Grease[2] | 000109800 | 4 | 4 | 4 | 4 |

[1] Quantity= 2 when Inverter model 3500 (Code 15= G) is used.

[2] Quantity shown are for 2 fans. Quantities for 3 fan units: Ref. 51= 32’; Ref. 53= 6; Ref. 54= 6.

[3] Contact Daikin Applied with model and serial number information so that the correct part can be identified.

[4] Quantity is PER fan.

# Section A1- Outdoor/Return Air Section

## Prop Exhaust Fan Inverters AFD20

## Code 20= HE, HY, JE, JY AND Code 24= 2, 3

## 05/13 & Earlier

### Inverter- 2 Fan Units (Code 24= 2)

| Code 15= | Inverter Model | Part Number | Voltage [2] | | | |
|---|---|---|---|---|---|---|
| | | | 208V | 230V | 460V | 575V |
| A | ACH550 [1] | 112046017 | 1 | 1 | | |
| | ACH550 [1] | 112046004 | | | 1 | |
| G | 3500 | 098656918 | 1 | | | |
| | 3500 | 098656928 | | 1 | | |
| | 3500 | 098656905 | | | 1 | |
| R | VTAC9 | 111046870 | 1 | 1 | | |
| | VTAC9 | 111046856 | | | 1 | |
| S | MD2 | 193475811 | 1 | 1 | | |
| | MD2 | 193475827 | | | 1 | |

### Inverter- 3 Fan Units (Code 24= 3)

| Code 15= | Inverter Model | Part Number | Voltage [2] | | | |
|---|---|---|---|---|---|---|
| | | | 208V | 230V | 460V | 575V |
| A | ACH550 [1] | 112046018 | 1 | 1 | | |
| | ACH550 [1] | 112046005 | | | 1 | |
| G | 3500 | 098656919 | 1 | | | |
| | 3500 | 098656929 | | 1 | | |
| | 3500 | 098656906 | | | 1 | |
| R | VTAC9 | 111046871 | 1 | 1 | | |
| | VTAC9 | 111046857 | | | 1 | |
| S | MD2 | 193475812 | 1 | 1 | | |
| | MD2 | 193475828 | | | 1 | |

[1] The Keypad Display for Model 550 Inverters is p/n 300040924.
[2] For 575V Inverters, contact Daikin Applied with model and serial number information so that the correct Inverter can be identified.

## 06/13 & Later

### Inverter- 2 Fan Units (Code 24= 2)

| Code 15= | Inverter Model | Part Number | Voltage [4] | | | |
|---|---|---|---|---|---|---|
| | | | 208V | 230V | 460V | 575V |
| A | ACH550 [3] | 112046017 | 1 | 1 | | |
| | ACH550 [3] | 112046004 | | | 1 | |
| B | MD4 [3] | 193552217 | 1 | 1 | | |
| | MD4 [3] | 193552204 | | | 1 | |
| G | 3500 | 098656918 | 1 | | | |
| | 3500 | 098656928 | | 1 | | |
| | 3500 | 098656905 | | | 1 | |
| Q | MD2 | 193552215 | 1 | 1 | | |
| | MD2 | 193552202 | | | 1 | |
| R | VTAC9 | 111046870 | 1 | 1 | | |
| | VTAC9 | 111046856 | | | 1 | |
| S, Q | MD2 | 193475811 | 1 | 1 | | |
| | MD2 | 193475827 | | | 1 | |

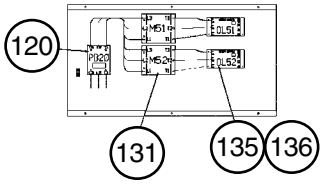
### Inverter- 3 Fan Units (Code 24= 3)

| Code 15= | Inverter Model | Part Number | Voltage [4] | | | |
|---|---|---|---|---|---|---|
| | | | 208V | 230V | 460V | 575V |
| A | ACH550 [3] | 112046018 | 1 | 1 | | |
| | ACH550 [3] | 112046005 | | | 1 | |
| B | MD4 [3] | 193552218 | 1 | 1 | | |
| | MD4 [3] | 193552205 | | | 1 | |
| G | 3500 | 098656919 | 1 | | | |
| | 3500 | 098656929 | | 1 | | |
| | 3500 | 098656906 | | | 1 | |
| R | VTAC9 | 111046871 | 1 | 1 | | |
| | VTAC9 | 111046857 | | | 1 | |
| S, Q | MD2 | 349956612 | 1 | 1 | | |
| | MD2 | 349956628 | | | 1 | |

[3] The Keypad Display for Model 550 AND MD4 Inverters is p/n 300040924.
[4] For 575V Inverters, contact Daikin Applied with model and serial number information so that the correct Inverter can be identified.

# Section A1- Outdoor/Return Air Section
## Prop Exhaust Fan Control Box

### Until 3/05

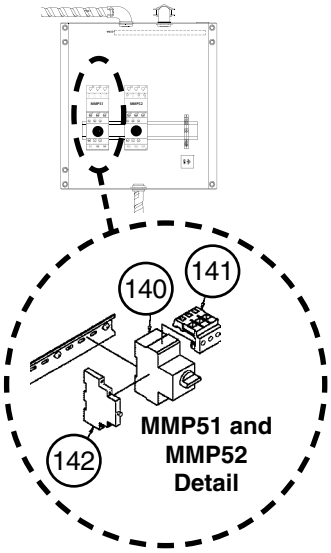


**2 Fan Unit shown**

| Ref. No. | Sch. Sym. | Part Description | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|---|
| | | | | 208V | 230V | 460V | 575V |
| 120 | PB20 [1] | Power Block | 030372705 | 1 | 1 | 1 | 1 |
| 131 | M51, 52 | Contactor | 027514101 | 2 | 2 | 2 | 2 |
| 135 | OL51, 52 | Overload | [2] | 2 | 2 | 2 | 2 |
| 136 | | Heater- Overload | [2] | 6 | 6 | | |
| | | Heater- Overload | [2] | | | 6 | 6 |

NOTE: Quantites for Contactors and Overloads shown are for a 2 Fan unit (Code 24= 2).
[1] PB20 is used on units where the Inverter is field installed (Code 15= F).
[2] Note that there have been two different series of Overloads and Overload heaters used during the production run.
When replacing an Overload OR the matching Overload Heater it is VITAL to obtain vendor p/n and amperage rating from BOTH parts.
When replacing ONLY an Overload Heater, it is VERY IMPORTANT to first obtain vendor information and amperage rating from the existing Overload, Overload Heater, and Motor. It is important to obtain this information to ensure that the correct Overload Heater is selected since Overload Heaters are chosen based upon Motor amperage draw, AND Overload Heaters are NOT interchangeable between series. Also, Overload Heaters DO NOT automatically come with Overloads. OVERLOAD HEATERS MUST BE ORDERED SEPARATELY.
Once vendor and amperage information is obtained, contact Daikin Applied for p/ns.

### 3/05 thru 10/06



**MMP51 and MMP52 Detail**

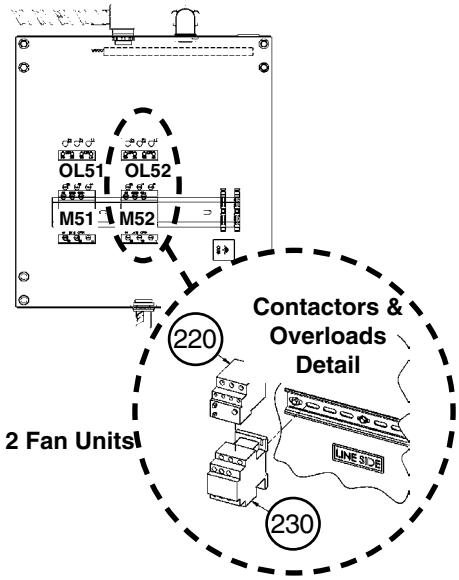
| Ref. No. | Sch. Sym. | Part Description | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|---|
| | | | | 208V | 230V | 460V | 575V |
| 140 | MMP51, 52 | MMP- Prop Exh. Motors | 349934012 | 2 | 2 | | |
| | | MMP- Prop Exh. Motors | 349934010 | | | 2 | |
| | | MMP- Prop Exh. Motors | 349934009 | | | | 2 |
| 141 | | Line Shield | 349933001 | 2 | 2 | 2 | 2 |
| 142 | | Short Circuit Alarm | 349933903 | 2 | 2 | 2 | 2 |

NOTE: Quantity shown is for a 2 Fan unit (Code 24= 2).

# Section A- Outdoor Air/Return Air/Economizer Section

## Prop Exhaust Fan Control Box

### 11/06 thru 5/13

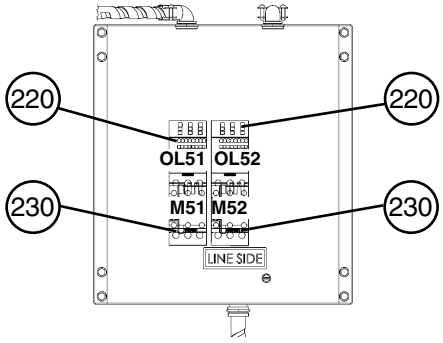



| Ref. No. | Sch. Sym. | Part Description | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|---|
| | | | | 208V | 230V | 460V | 575V |
| 220 | OL51, 52 | Overload | 349934663 | 2 | | | |
| | | Overload | 349934662 | | 2 | | |
| | | Overload | 349934660 | | | 2 | |
| | | Overload | 349934659 | | | | 2 |
| 230 | M51, 52 | Contactor | 349932123 | 2 | 2 | | |
| | | Contactor | 349932121 | | | 2 | 2 |

NOTE: Quantity shown is for a 2 Fan unit (Code 24= 2).

### 06/13 & Later

## Prop Exhaust Fan Control Box

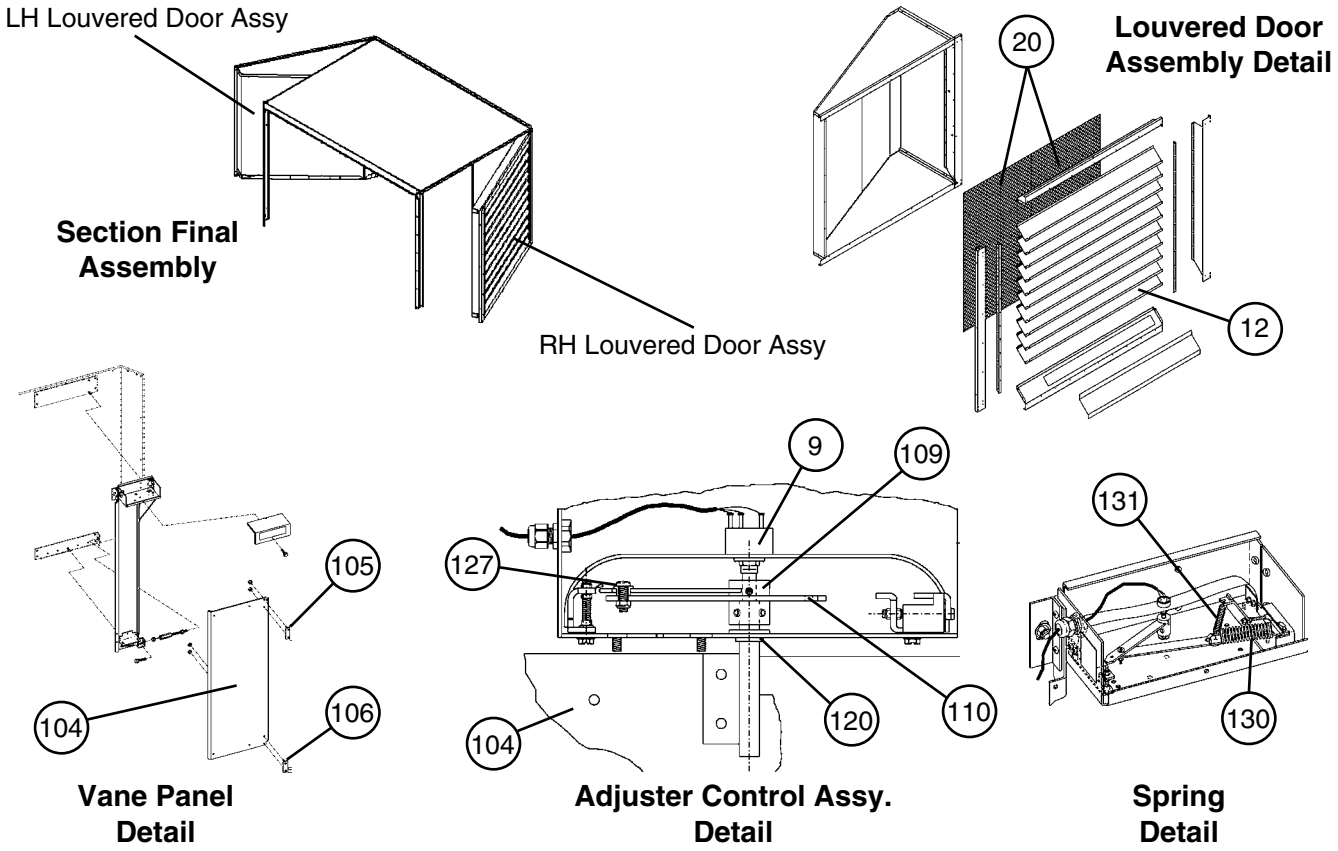



2 Fan Unit shown

| Ref. No. | Sch. Sym. | Part Description | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|---|
| | | | | 208V | 230V | 460V | 575V |
| 220 | OL51, 52 | Overload | 193548010 | 2 | | | |
| | | Overload | 193548009 | | 2 | | |
| | | Overload | 193547910 | | | 2 | |
| | | Overload | 193547909 | | | | 2 |
| 230 | M51, 52 | Contactor 25A | 193537304 | 2 | | | |
| | | Contactor 16A | 193592006 | | 2 | | |
| | | Contactor 9A | 193534106 | | | 2 | |
| | | Contactor 7A | 193534105 | | | | 2 |

NOTE: Quantity shown is for a 2 Fan unit (Code 24= 2).

# Section A- Outdoor Air/Return Air/Economizer Section
## Design Flow: Code 20= FE, GE, JE




| Ref. No. | Part Description | | Part Number | Qty.[1] |
|---|---|---|---|---|
| 9 | Potentiometer | | 098663701 | 1 |
| | O'Ring- Potentiometer | | 098663801 | 1 |
| 12 | Louver Panel | Left Hand Door | 059595204 | 15 |
| | Louver Panel | Right Hand Door | 059595203 | 15 |
| 20 | Grille | | 055922301 | 2 |
| 104 | Panel- Vane | | 098661803 | 1 |
| 105 | Shaft- Upper | | 098662601 | 1 |
| 106 | Bearing- Lower | | 091634501 | 1 |
| 109 | Crank Arm Assy | Left Hand Door | 091658802 | 1 |
| | Crank Arm Assy | Right Hand Door | 091658801 | 1 |
| 110 | Link Arm | | [2] | 1 |
| 120 | Bearing | | 060014201 | 1 |
| 127 | Bearing | | 047138535 | 1 |
| 130 | Spring- Main | | 098664701 | 1 |
| 131 | Spring- Secondary | | 098664901 | 1 |
| N/S | Leveling Kit- Design Flow | | 091659301 | 1 |

N/S= Not shown on diagram.

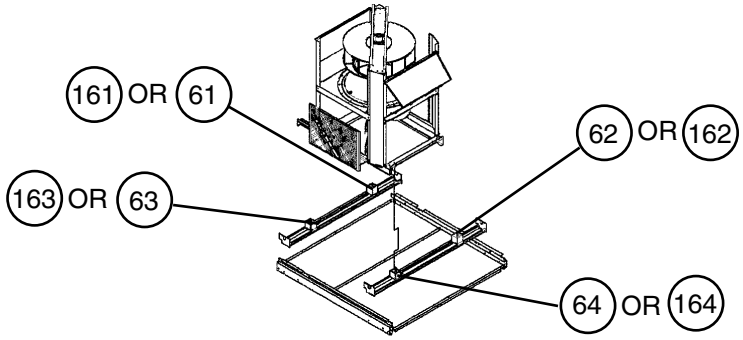
[1] Quantity is PER door.

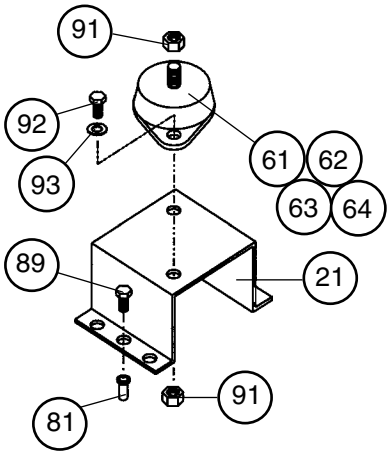
[2] P/N is unit specific. Contact Daikin Applied with overall length and bolt hole spacing so that the correct part can be identified.

# Section A- Outdoor Air/Return Air/Economizer Section

## Return Air Fan Fan Mounts: Code 21= 44B*
## Until 12/04

### Mounting Layout Diagram

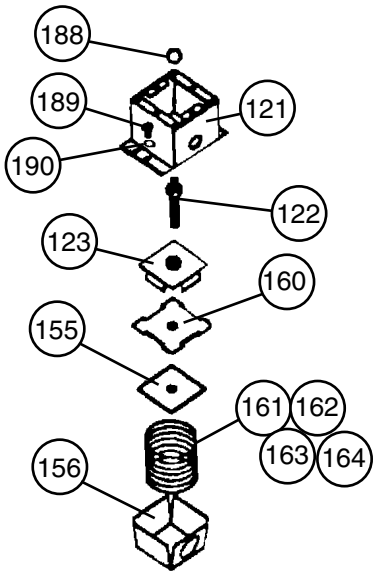



**Rubber Mounts**

### Rubber Mounts (Code 21= 44B1)

| Ref. No. | Fan Motor HP | Part Description | Part Number | Qty. |
|---|---|---|---|---|
| 21 | All | Channel- Mount Support | 055512101 | 4 |
| 61 | 5- 40 | Rubber Mount- Red | 021639701 | 1 |
| | 50, 60 | Rubber Mount- Black | 021639704 | 1 |
| 62 | 5- 40 | Rubber Mount- Red | 021639701 | 1 |
| | 50, 60 | Rubber Mount- Black | 021639704 | 1 |
| 63 | All | Rubber Mount- Red | 021639701 | 1 |
| 64 | All | Rubber Mount- Red | 021639701 | 1 |
| 89 | All | Screw- Cap, 3/8-16 X 1” | 048878118 | 8 |
| 90 | All | Washer- Lock, 3/8” | 048164812 | 8 |
| 91 | All | Nut- 1/2-13 | 032333305 | 12 |
| 92 | All | Screw- Cap, 1/2-13 X 1” | 040499501 | 8 |
| 93 | All | Washer- Plain, 1/2” | 040500310 | 8 |




**Spring Mounts**

### Spring Mounts (Code 21= 44B2) & Seismic Spring (44B3)

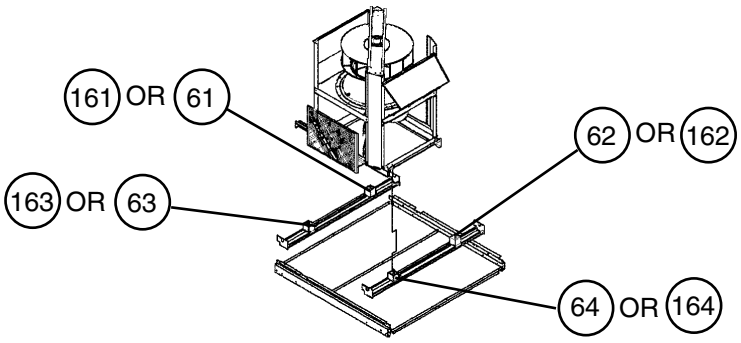
| Ref. No. | Fan Motor HP | Part Description | Part Number | Qty. |
|---|---|---|---|---|
| 121 | All | Support Assembly | 055606901 | 4 |
| 122 | All | Screw Adjust Assembly | 055528201 | 4 |
| 123 | All | Channel Assembly | 055606801 | 4 |
| 155 | All | Plate- Gasket Retainer | 055502101 | 4 |
| 156 | All | Support- Spring Locator | 055502201 | 4 |
| 160 | All | Pad- Rubber Vibration | 048447901 | 4 |
| 161 | 5- 30 | Mount- Spring, Red | 048448503 | 1 |
| | 40- 60 | Mount- Spring, Green | 048448504 | 1 |
| 162 | 5- 30 | Mount- Spring, Red | 048448503 | 1 |
| | 40- 60 | Mount- Spring, Green | 048448504 | 1 |
| 163 | All | Mount- Spring, Red | 048448503 | 1 |
| 164 | All | Mount- Spring, Red | 048448503 | 1 |
| 188 | All | Nut- 5/8-11 | 040500002 | 4 |
| 189 | All | Screw- Cap, 3/8-16 X 1” | 048878118 | 12 |
| 190 | All | Washer- Lock, 3/8” | 048164812 | 8 |
| N/S | All | Screw- Tapping, 1/4-20 | 046093809 | 8 |

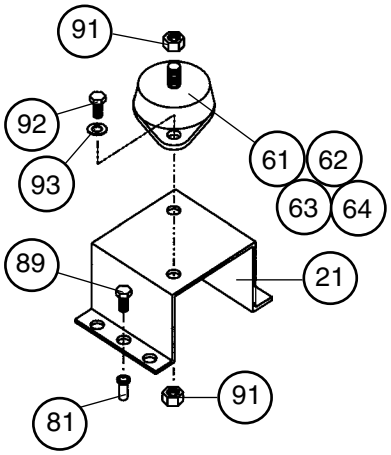
# Section A- Outdoor Air/Return Air/Economizer Section

## Return Air Fan Fan Mounts: Code 21= 44B*

## 12/04 & Later

### Mounting Layout Diagram

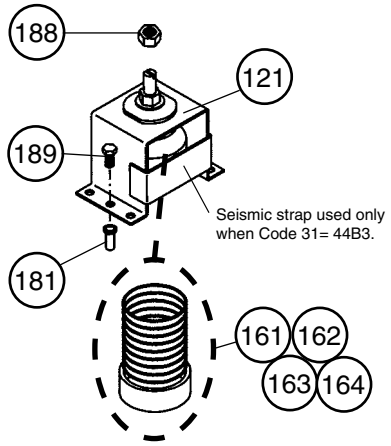



**Rubber Mounts**

### Rubber Mounts (Code 21= 44B1)

| Ref. No. | Fan Motor HP | Part Description | Part Number | Qty. |
|---|---|---|---|---|
| 21 | All | Channel- Mount Support | 055512101 | 4 |
| 61 | 5- 40 | Rubber Mount- Red | 021639701 | 1 |
| | 50, 60 | Rubber Mount- Black | 021639704 | 1 |
| 62 | 5- 40 | Rubber Mount- Red | 021639701 | 1 |
| | 50, 60 | Rubber Mount- Black | 021639704 | 1 |
| 63 | All | Rubber Mount- Red | 021639701 | 1 |
| 64 | All | Rubber Mount- Red | 021639701 | 1 |
| 81 | All | Nut | 059992201 | 8 |
| 89 | All | Screw | 112047201 | 8 |
| 91 | All | Nut- 1/2-13 | 032333305 | 12 |
| 92 | All | Screw- Cap, 1/2-13 X 1” | 040499501 | 8 |
| 93 | All | Washer- Plain, 1/2” | 040500310 | 8 |



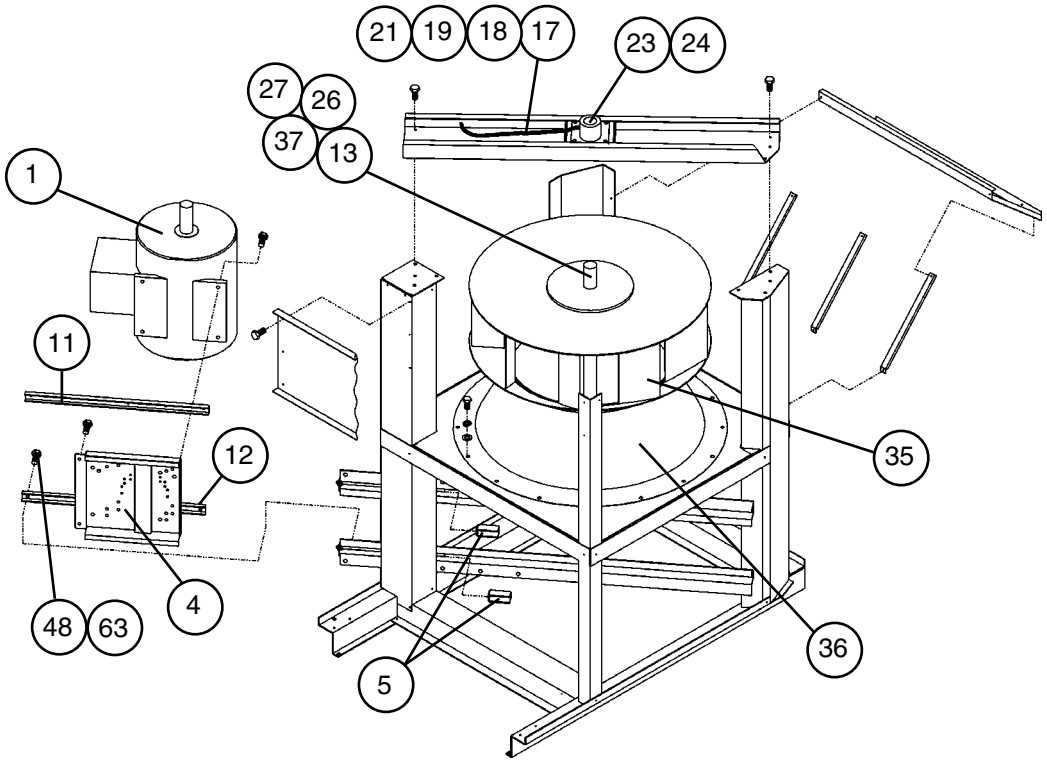

**Spring Mounts**

### Spring (Code 21= 44B2) & Seismic Mounts (Code 21= 44B3)

| Ref. No. | Fan Motor HP | Part Description | Part Number | Qty. | |
|---|---|---|---|---|---|
| 121 | All | Mount | | | |
| | | Spring (Code 21= 44B2) | 251783201 | 4 | |
| | | Seismic (Code 21= 44B3) | 251783301 | 4 | |
| 161 | 5- 10 | Spring Mount- Brown | 251784801 | 1 | |
| | 15- 30 | Spring Mount- Red | 251784901 | 1 | |
| | 40- 60 | Spring Mount- Red/Black | 251785001 | 1 | |
| 162 | 5- 10 | Spring Mount- Brown | 251784801 | 1 | |
| | 15- 60 | Spring Mount- Red | 251784901 | 1 | |
| 163 | 5- 10 | Spring Mount- Brown | 251784801 | 1 | |
| | 15- 30 | Spring Mount- Red | 251784901 | 1 | |
| | 40- 60 | Spring Mount- Red/Black | 251785001 | 1 | |
| 164 | 5- 10 | Spring Mount- Brown | 251784801 | 1 | |
| | 15- 60 | Spring Mount- Red | 251784901 | 1 | |
| 181 | All | Nut | | | |
| | | Spring (Code 21= 44B2) | 059992201 | 12 | |
| | | Seismic (Code 21= 44B3) | 111056301 | 20 | |
| 188 | All | Nut | 040500002 | 4 | |
| 189 | All | Screw | | | |
| | | Spring (Code 21= 44B2) | 112047201 | 12 | |
| | | Seismic (Code 21= 44B3) | 112047201 | 20 | |

# Section A- Outdoor Air/Return Air/Economizer Section

## Return Air Fan: Code 21= 44B* [1]




| Ref. No. | Motor HP | Part Description | | Part Number | Qty. |
|---|---|---|---|---|---|
| 1 | | Motor | see following page | | |
| 4 | All | Mount- Motor | | 056234101 | 1 |
| 5 | All | Channel Assembly | | 056234201 | 1 |
| 11 | All | Clamp- Motor Channel | | 056230203 | 1 |
| 12 | All | Clamp- Motor Channel | | 056230203 | 1 |
| 13 | All | Shaft- Fan | 2.438" dia. | 056255103 | 1 |
| 17 | All | Tubing- Plastic | | 021136745 | 2 |
| 18 | All | Coupling | until 12/04 | 021213700 | 2 |
| | All | Coupling | 12/04 & later | 027674000 | 2 |
| 19 | All | Coupling | | 027674100 | 2 |
| 21 | All | Fitting- Grease | 1/8" MPS | 000109800 | 2 |
| 23 | All | Bearing- Ball, Flange 2.437" | Opposite Drive End | 020649905 | 1 |
| 24 | All | Bearing- Roller, 2.437" | Drive End | 049547014 | 1 |
| 26 | All | Key- Wheel | 5/8" X 6½" | 023221610 | 1 |
| 27 | All | Key- Fan Sheave | 5/8" x 5½" | 023221607 | 1 |
| 35 | All | Wheel- SISW | | 111041201 | 1 |
| 36 | All | Funnel- Inlet | | 110941810 | 1 |
| 37 | All | Lock Collar | 2.437" | 049115912 | 1 |
| 48 | All | Lock Washer | | 048164814 | 2 |
| 63 | All | Cap Screw | | 040499501 | 2 |

[1] Drive components (Fan Sheave, Motor Sheave, V-belt(s), and Sheave Bushing(s) [if required]) are NOT listed as they are unique to the unit. If a drive component is required you may use the number from the part and cross reference it with the ***Drive Components Cross Reference***, form number 571006, or contact Daikin Applied with model and serial number information for identification..

# Section A- Outdoor Air/Return Air/Economizer Section

## Return Air Fan Motors

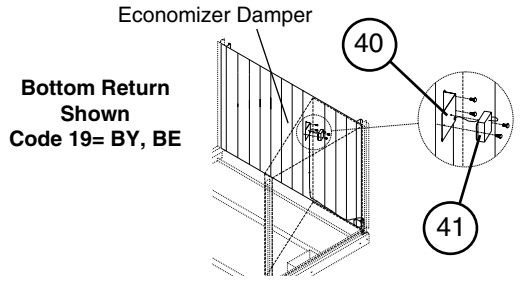
| H.P. | Unit Voltage | HP Code C22= | ODP HiEff C22= *EY | ODP PrEff. C22= *JY | TEFC HiEff C22= *HY | TEFC PrEff C22= *KY |
|---|---|---|---|---|---|---|
| | **C09= 12** | | | | | |
| 3 | 208/60/3 | H** | 039447500 | 065817100 | 047358100 | 065819400 |
| 5 | 208/60/3 | J** | 039447600 | 065817200 | 049186800 | 065819500 |
| 7.5 | 208/60/3 | K** | 037530300 | 065817300 | 047665900 | 065819600 |
| 10 | 208/60/3 | L** | 038999000 | 065817400 | 047666100 | 065819700 |
| 15 | 208/60/3 | M** | 039896200 | 049100700 | 065817500 | 065819800 |
| 20 | 208/60/3 | N** | 039895800 | 049101300 | 065817600 | 065819900 |
| 25 | 208/60/3 | P** | 039448900 | 049100900 | 065817700 | 065820000 |
| 30 | 208/60/3 | Q** | 041775200 | 205066500 | 049187200 | 205066800 |
| 40 | 208/60/3 | R** | 041775300 | 205067100 | 049187300 | 205070700 |
| 50 | 208/60/3 | S** | 041775400 | 205067500 | 049187400 | 205091600 |
| 60 | 208/60/3 | T** | 041775800 | 205067700 | 049187500 | N/A |
| | **C09= 29** | | | | | |
| 3 | 230/60/3 | H** | 039442400 | 065818100 | 049262300 | 065820100 |
| 5 | 230/60/3 | J** | 039442500 | 065818200 | 040161200 | 065820200 |
| 7.5 | 230/60/3 | K** | 039448700 | 065818300 | 049100500 | 065820300 |
| 10 | 230/60/3 | L** | 039446500 | 065818400 | 044691100 | 065820400 |
| 15 | 230/60/3 | M** | 039446600 | 026215800 | 065818500 | 065820500 |
| 20 | 230/60/3 | N** | 039448800 | 031314500 | 065818600 | 065820600 |
| 25 | 230/60/3 | P** | 039896100 | 032242500 | 065818700 | 065820700 |
| 30 | 230/60/3 | Q** | 040626800 | 205066600 | 049025300 | 205067000 |
| 40 | 230/60/3 | R** | 041770000 | 205067200 | 048448000 | 205067200 |
| 50 | 230/60/3 | S** | 039899200 | 205067600 | 040161600 | 205069400 |
| 60 | 230/60/3 | T** | 041775500 | 065819100 | 046748300 | N/A |
| | **C09= 27** | | | | | |
| 3 | 460/60/3 | H** | 039442400 | 065818100 | 049262300 | 065820100 |
| 5 | 460/60/3 | J** | 039442500 | 065818200 | 040161200 | 065820200 |
| 7.5 | 460/60/3 | K** | 039448700 | 065818300 | 049100500 | 065820300 |
| 10 | 460/60/3 | L** | 039446500 | 065818400 | 044691100 | 065820400 |
| 15 | 460/60/3 | M** | 039446600 | 026215800 | 065818500 | 065820500 |
| 20 | 460/60/3 | N** | 039448800 | 031314500 | 065818600 | 065820600 |
| 25 | 460/60/3 | P** | 039896100 | 032242500 | 065818700 | 065820700 |
| 30 | 460/60/3 | Q** | 040626800 | 205066600 | 049025300 | 205067000 |
| 40 | 460/60/3 | R** | 041770000 | 205067200 | 048448000 | 205067200 |
| 50 | 460/60/3 | S** | 039899200 | 205067600 | 040161600 | 205069400 |
| 60 | 460/60/3 | T** | 041775500 | 065819100 | 046748300 | 205069600 |
| | **C09= 37** | | | | | |
| 3 | 575/60/3 | H** | 046741600 | 046511700 | 049188300 | 046514500 |
| 5 | 575/60/3 | J** | 046741900 | 205168900 | 049188400 | 046514600 |
| 7.5 | 575/60/3 | K** | 047443300 | 205168800 | 049188500 | 046514700 |
| 10 | 575/60/3 | L** | 047443400 | 205168600 | 049188600 | 065821400 |
| 15 | 575/60/3 | M** | 047443500 | 046749000 | 205166600 | 065821500 |
| 20 | 575/60/3 | N** | 049181100 | 049186200 | 205166800 | 065821600 |
| 25 | 575/60/3 | P** | 049181200 | 049186300 | 205166900 | 065821700 |
| 30 | 575/60/3 | Q** | 049181300 | 205066700 | 049188900 | 205067000 |
| 40 | 575/60/3 | R** | 049181400 | 205067300 | 049189000 | 205067300 |
| 50 | 575/60/3 | S** | 049181500 | 205091800 | 049189100 | 205069500 |
| 60 | 575/60/3 | T** | 049181600 | 205069000 | 049189200 | 205069800 |

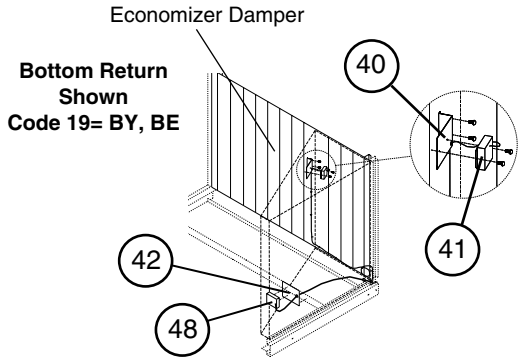
N/A= Not available.

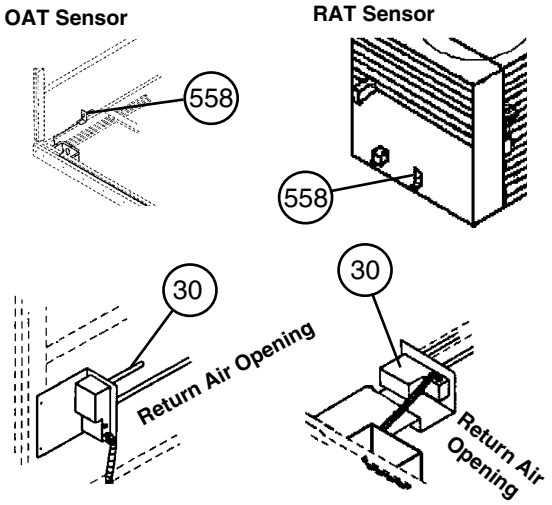
# Section A- Outdoor Air/Return Air/Economizer Section

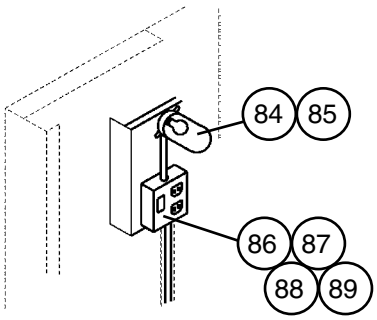
## Section Mounted Controls

## OAE, OAT, RAE, RAT, SD2, LT11, S11, REC11




### OAE- Mechanical Enthalpy (Code 17= Y*)

| Ref No. | Part Description | Part Number | Qty. |
|---|---|---|---|
| 40 | Mount- OAE Enthalpy | [1] | 1 |
| 41 | Control- OAE | [1] | 1 |

[1] The original control is obsolete & no longer available. For the OAE Control use p/n 113103601 & Mount 910146257. Minor field modifications are required for proper installation & operation when changing to the newer design.

### OAE & RAE Differential Enthalpy (Code 17= C*)

| Ref No. | Part Description | Part Number | Qty. |
|---|---|---|---|
| 40 | Mount- OAE Enthalpy | [2] | 1 |
| 41 | Control- OAE | [2] | 1 |
| 42 | Mount- RAE Enthalpy | [2] | 1 |
| 48 | Control- RAE | [2] | 1 |

[2] Note that BOTH original controls are obsolete & no longer available. For the OAE Control use 113103601 & Mount p/n 910146257. For the RAE Control use 113103701 & Mount p/n 055732301. When changing one of the older style controls BOTH CONTROLS MUST BE CHANGED TO THE NEWER VERSION since the old and new parts are NOT compatible with each other. Also, minor field modifications are required for proper installation & operation when changing to the newer design.

### RAT/OAT- Return/Outdoor Air Temperature Sensor

| Ref No. | Part Description | Part Number | Qty. |
|---|---|---|---|
| 558 | RA/OA Air Temp. Sensor- RAT (MTII) | 060004705 | 1 |
| | RA/OA Air Temp. Sensor- RAT (MTIII) | 193414602 | 1 |

### SD2- Return Air Smoke Detector (Code 16= 1, 3)

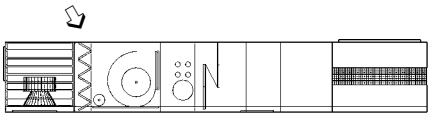
| Ref. No. | Part Description | Part Number | Qty. |
|---|---|---|---|
| 30 | Smoke Detector (SD2) | 098873101 [1] | 1 |

[1] When replacing SD2, reuse existing Sampling Tubes or order 1pc. 098873101 for Standard Discharge OR 2pc. of 098873501 for Side or Top Discharge.

### LT11- Return Fan Light/S11- Return Fan Light Switch/ REC11- Return Fan Receptacle Code 49= E, F

| Ref. No. | Part Description | Part Number | Qty. |
|---|---|---|---|
| 84 | Light Fixture | 042229500 | 1 |
| 85 | Bulb- LT11 | 065492402 | 1 |
| 86 | Junction Box | 065491901 | 1 |
| 87 | Junction Box Cover | 065492001 | 1 |
| 88 | Light Switch- S11 | 065492201 | 1 |
| 89 | Receptacle- REC11 | 030187000 | 1 |

# Section B- Draw-Thru Filter Section
## Notes & Section Mounted Controls



## Notes

Primary Codes that pertain: 25, 33 (Mid 2012 & Later)
Additional Codes that pertain: 06, 19, 20

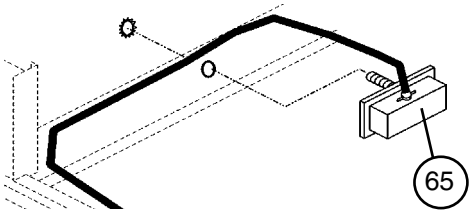
Code 25 determines all of the section characteristics. Refer to the ***Nomenclature, Unit Code Index*** section for an explanation of Filter codes.

Code 33 (Mid 2012 & Later) indicates the presence of Magnehelic/Differential Pressure Gauges.

Code 06 determines the final assembly panel part numbers. **For sheet metal components that make up the Draw-Thru Filter Section, contact Daikin Applied to ensure that correct liners, insulation and hardware are ordered. For Standard Door Latching Assemblies, see Section H- Blow-Thru Heat Blank Access Section.**

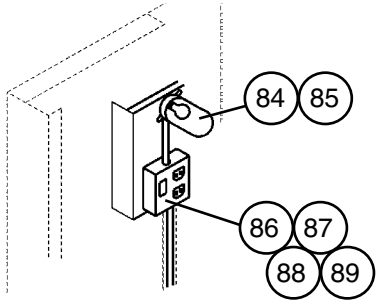
Codes 19 and 20 determine the Return Air Section which has an effect on the final assembly panels.

## Section Mounted Controls
## PC5, LT13, S13, REC13, Magnehelic/Differential Pressure Gauges



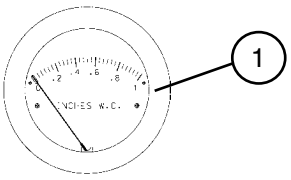

**Controls PC5**

| Ref. No. | Part Description | Part Number | Qty. |
|---|---|---|---|
| 65 | PC5 Pressure Ctl | 065493801 | 1 |




**LT13- Filter Section Light; S13- Filter Section Light Switch; REC13- Filter Section Receptacle**

| Ref. No. | Part Description | Part Number | Qty. |
|---|---|---|---|
| 84 | Light Fixture | 042229500 | 1 |
| 85 | Bulb- LT13 | 065492402 | 1 |
| 86 | Junction Box | 065491901 | 1 |
| 87 | Junction Box Cover | 065492001 | 1 |
| 88 | Light Switch- S13 | 065492201 | 1 |
| 89 | Receptacle- REC13 | 030187000 | 1 |

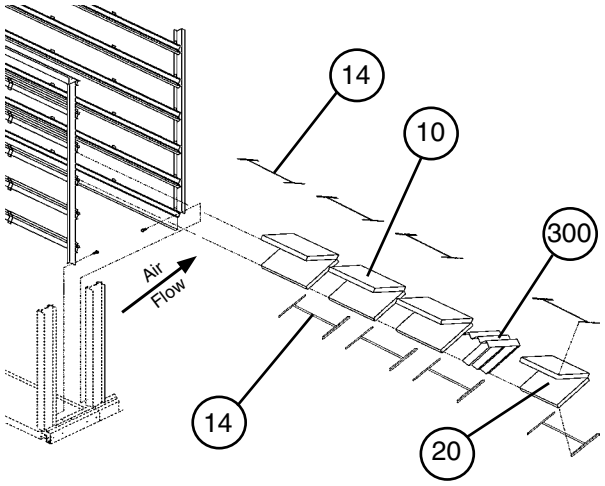



**Differential Pressure Gauge**

| Ref No. | Part Description | Part Number |
|---|---|---|
| 1 | Differential Press. Gauge, 0- 1" WC | 060017301 [1] |
| | Differential Press. Gauge, 0- 2" WC | 060017302 [1] |
| | Differential Press. Gauge, 0- 3" WC | 060017303 [1] |
| | Differential Press. Gauge, 0- 5" WC | 060017305 [1] |

[1] Confirm pressure range required from the installed part, or contact Daikin Applied with model and serial number information so that the correct Gauge can be identified.

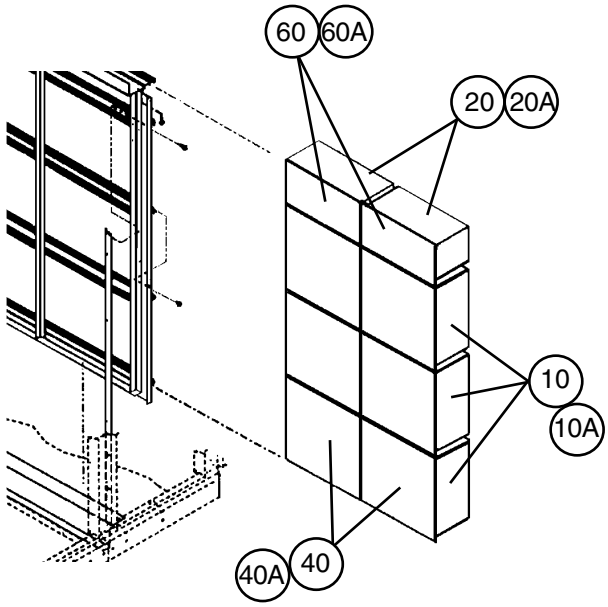
# Section B- Draw-Thru Filter Section
## Filters




### Angular Filter Rack- Code 25= AB, AH

| Ref. No. | Part Description | Code 25= | Part Number | Qty. |
|---|---|---|---|---|
| 10 | Filter- 30% Eff. Throwaway [1] | AB | 031298002 | 33 |
| | Filter- 85% Eff Throwaway [1] | AH | 910102150 | 33 |
| 20 | Filter- 30% Eff. Throwaway [2] | AB | 031298001 | 11 |
| | Filter- 85% Eff Throwaway [2] | AH | 910102152 | 11 |
| 300 | Stop, Filter | ALL | 011484101 | 11 |
| 14 | Angle Assembly | [3] | 056077301 | 33 |

[1] Filter size= 16 x 25 x 2".
[2] Filter size= 16 x 20 x 2".
[3] Optional. Note that if supplied Angle is mounted on leaving air side.

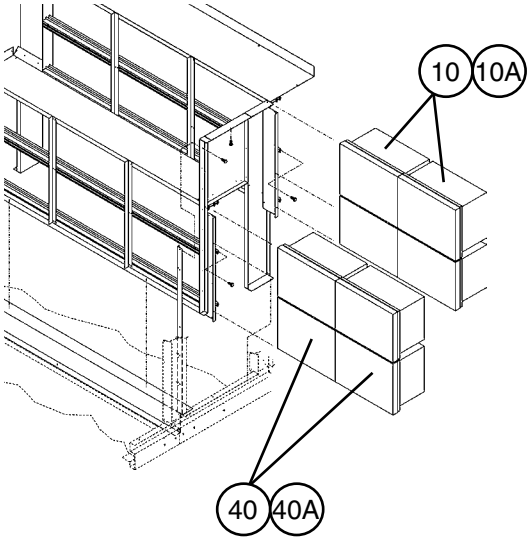



### Flat Filter Rack- Code 25= FD, FE

| Ref. No. | Part Description | Code 25= | Part Number | Qty. |
|---|---|---|---|---|
| 10 | Filter- 65% Eff. Cartridge [4] | FD | 065810704 | 12 |
| | Filter- 95% Eff Cartridge [4] | FE | 065810702 | 12 |
| 10A | Gasket- Filter | | 021768924 | 12 |
| 20 | Filter- 65% Eff. Cartridge [5] | FD | 065810703 | 4 |
| | Filter- 95% Eff Cartridge [5] | FE | 065810701 | 4 |
| 20A | Gasket- Filter | | 021768912 | 4 |
| 40 | Pre Filter [6] | ALL | 111046101 | 12 |
| 40A | Gasket- Pre Filter | | 111051900 | 24ft |
| 60 | Pre Filter [7] | ALL | 111046103 | 4 |
| 60A | Gasket- Pre Filter | | 111051900 | 8ft |

[4] Filter size= 24 x 24 x 12".
[5] Filter size= 12 x 24 x 12".
[6] Filter size= 24 x 24 x 2".
[7] Filter size= 12 x 24 x 2".

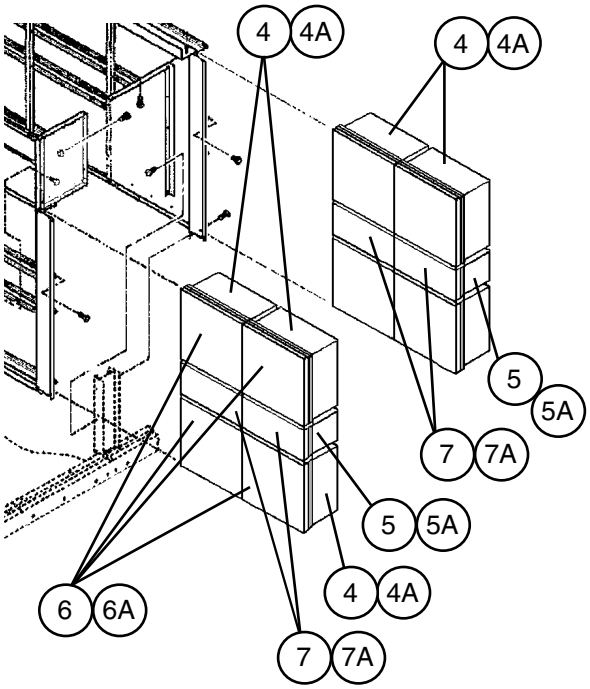
# Section B- Draw-Thru Filter Section
## Filters, Continued




### Staggered Filter Rack- Code 25= SD, SE

| Ref. No. | Part Description | Code 25= | Part Number | Qty. |
|---|---|---|---|---|
| 10 | Filter- 65% Eff. Cartridge [1] | SD | 065810704 | 16 |
| | Filter- 95% Eff Cartridge [1] | SE | 065810702 | 16 |
| 10A | Gasket- Filter | ALL | 021768924 | 16 |
| 40 | Pre Filter [2] | ALL | 111046101 | 16 |
| 40A | Gasket- Pre Filter | ALL | 056001103 | 32ft |

[1] Filter size= 24 x 24 x 12".
[2] Filter size= 24 x 24 x 2".

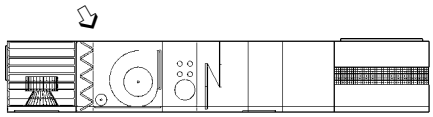



### Large Staggered Filter Rack- Code 25= LD, LE

| Ref. No. | Part Description | Code 25= | Part Number | Qty. |
|---|---|---|---|---|
| 4 | Filter- 65% Eff. Cartridge [3] | LD | 065810704 | 16 |
| | Filter- 95% Eff Cartridge [3] | LE | 065810702 | 16 |
| 4A | Gasket- Filter | ALL | 021768924 | 16 |
| 5 | Filter- 65% Eff. Cartridge [4] | LD | 065810703 | 8 |
| | Filter- 95% Eff Cartridge [4] | LE | 065810701 | 8 |
| 5A | Gasket- Filter | ALL | 021768912 | 8 |
| 6 | Pre Filter [5] | ALL | 111046101 | 16 |
| 6A | Gasket- Pre Filter | ALL | 111051900 | 32ft |
| 7 | Pre Filter [6] | ALL | 111046103 | 8 |
| 7A | Gasket- Pre Filter | ALL | 111051900 | 16ft |

[3] Filter size= 24 x 24 x 12". [4] Filter size= 12 x 24 x 12".
[5] Filter size= 24 x 24 x 2". [6] Filter size= 12 x 24 x 2".

# Section C- Blank/Inverter (AFD/VFD) Section
## Notes & Section Mounted Controls



## Notes

Primary Codes that pertain: 26, 14, 15
Additional Codes that pertain: 06

Code 26 determines if a Blank/Inverter Section is installed. If Code 26= F, S there is a 48" section. If Code 26= E there is a 24" section installed. If Code 26= Y, there is no Blank/Inverter Section.

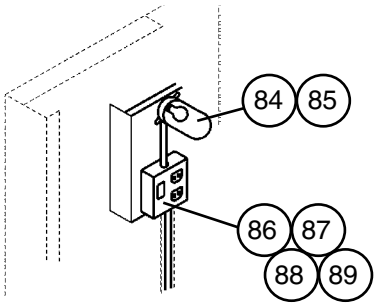
Code 14 determines if the unit has one or two Inverters (AFD/VFD[s]) and if so where they are installed. If Code 14= 1, 2, 4 AND Code 26= E, F, S there is a separate Inverter Section. If Code 14= 3, 5, 6, 7, 8, 9, the Inverters are installed in the Supply Air Section. If Code 14= Y, the unit was NOT supplied with an Inverter from the factory.

Code 15 determines the Inverter vendor. If Code 15= F, the unit is set up for a field supplied Inverter. If Code 15 equals F, contact Daikin Applied with the Inverter vendor and vendor part number to see if a replacement can be supplied.

**All components pertaining to factory installed Inverters are listed in the Supply Air Section (Section F).**

Code 06 determines the liners and insulation, and will affect the final assembly panels. **For sheet metal components that make up the Blank/Inverter Section, contact Daikin Applied to ensure that correct liners, insulation and hardware are ordered. For Standard Door Latching Assemblies, see Section H- Blow-Thru Heat Blank Access Section.**

## Section Mounted Controls

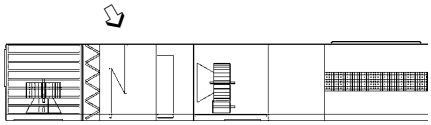



**LT19- Blank/Inverter Section Light; S19- Blank/ Inverter Section Light Switch; REC19- Blank/ Inverter Section Receptacle**

| Ref. No. | Part Description | Part Number | Qty. |
|---|---|---|---|
| 84 | Light Fixture | 042229500 | 1 |
| 85 | Bulb- LT19 | 065492402 | 1 |
| 86 | Junction Box | 065491901 | 1 |
| 87 | Junction Box Cover | 065492001 | 1 |
| 88 | Light Switch- S19 | 065492201 | 1 |
| 89 | Receptacle- REC19 | 030187000 | 1 |

# Section D- Draw-Thru Cooling Section

## Notes



Primary Codes that pertain: 03, 27, 28, 36
Additional Codes that pertain: 06

Code 03 determines the Cooling Coil size. If Code 03= S there is a small face area Coil (24" section for unit sizes 076 thru 100C, or normally a 48" section for unit size 110C although a few units have a 24" section installed). If Code 03= L it is a large face area Coil (48" section for unit sizes 076 thru 100C, or 24/48" for unit sizes 110C thru 150C). Small face area Coils are not available on 130 thru 150C unit sizes.

Code 27 determines the characteristics of the Draw-Thru Cooling Section. If Code 27= YYYY, there is no Section. For RPE units this indicates that the Cooling Coil is in the Blow-Thru position (see Section I); RDE units (typical RDE unit shown in the above diagram) always have a Draw-Thru Cooling Section. If the code is CYYY, CYYS then there is a unit Cooling Coil and Drain Pan. An "S" in the fourth position of Code 27 means the Drain Pan is stainless steel. A "Y" in the fourth position indicates that the Drain Pan is made of painted galvanized steel.

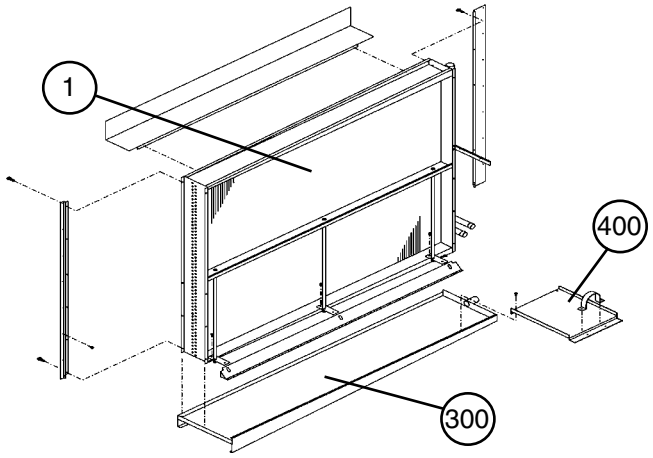
Code 28 determines the Cooling Coil characteristics. Code 28 will apply only if Code 27= CYYY, CYYS AND Code 36= YYYYYY.

Code 06 determines the liners and insulation, and will affect the final assembly panels. **For sheet metal components that make up the Draw-Thru Cooling Section, contact Daikin Applied to ensure that correct liners, insulation and hardware are ordered. For Standard Door Latching Assemblies, see Section H- Blow-Thru Heat Blank Access Section.**

**NOTE: The drawings and components listed in this section also apply to Section I— Blow-Thru Cooling Section (RPE only).**

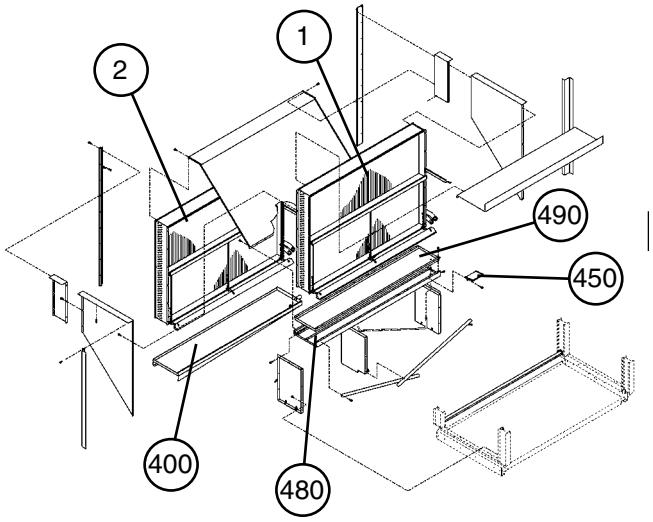
# Section D- Draw-Thru Cooling Section
## Evaporator Coils & Drain Pans,
## Small Face DX Evaporator Coils: Code 03= S

### Small Face Area Coil
### 24" Section
### Unit Sizes 076 thru 110C [2]




| Ref. No. | Part Description | | Part Number | Qty. |
|---|---|---|---|---|
| 1 | Coil | | [1] | 1 |
| 300 | Drain Pan | | | |
| | Galvanized | (C27= CYYY) | 056267751 | 1 |
| | Stainless | (C27= CYYS) | 056267752 | 1 |
| 400 | Pan- Auxilliary | | | |
| | Before 12/06 | | | |
| | Stainless | (C27= CYYS) | 057356801 | 1 |
| | After 12/06 | | | |
| | Stainless | (C27= CYYS) | 057356802 | 1 |

### Small Face Area Coil
### 48" Section
### Unit Size 110C [2]



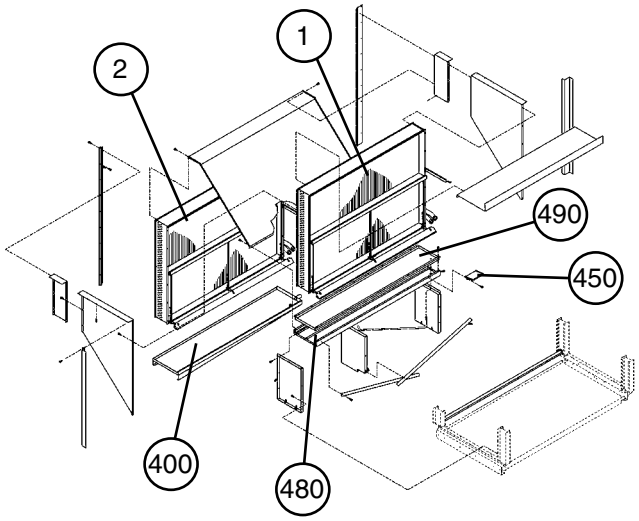

| Ref. No. | Part Description | | Part Number | Qty. |
|---|---|---|---|---|
| 1 | Coil- Upper | | [1] | 1 |
| 2 | Coil- Lower | | [1] | 1 |
| 400 | Drain Pan | | | |
| | Galvanized | (C27= CYYY) | 056267755 | 1 |
| | Stainless | (C27= CYYS) | 056267756 | 1 |
| 450 | Pan- Auxilliary | | 056271401 | 1 |
| 480 | Pan- Liner | | 055531202 | 1 |
| 490 | Drain Pan | | | |
| | Galvanized | (C27= CYYY) | 056267755 | 1 |
| | Stainless | (C27= CYYS) | 055531354 | 1 |

[1] Evaporator coils are serial number specific. Contact Daikin Applied with model and serial number information so that the correct coil(s) can be identified.

[2] 110C units may have either a 24" OR a 48" Section installed. Confirm section size before ordering or contact Daikin Applied with model and serial number information so that the correct coil(s) can be identified.

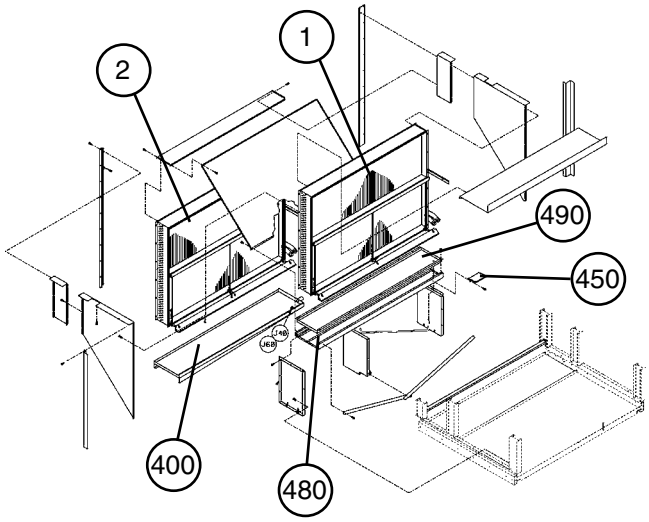
# Section D- Draw-Thru Cooling Section
## Evaporator Coils & Drain Pans,
## Large Face DX Evaporator Coils: Code 03= L

### Large Face Area Coil
### 48" Section [2]




| Ref. No. | Part Description | Part Number | Qty. |
|---|---|---|---|
| 1 | Coil- Lower | [1] | 1 |
| 2 | Coil- Upper | [1] | 1 |
| 400 | Drain Pan | | |
| | Galvanized (C27= CYYY) | 056267755 | 1 |
| | Stainless (C27= CYYS) | 056267756 | 1 |
| 450 | Pan- Auxilliary | 056271401 | 1 |
| 480 | Pan- Liner | 055531202 | 1 |
| 490 | Drain Pan | | |
| | Galvanized (C27= CYYY) | 096235001 | 1 |
| | Stainless (C27= CYYS) | 055531354 | 1 |

### Large Face Area Coil
### 24/48" Section [2]



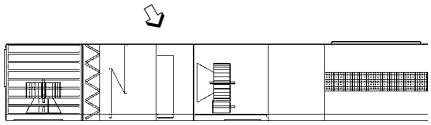

| Ref. No. | Part Description | Part Number | Qty. |
|---|---|---|---|
| 1 | Coil- Lower | [1] | 1 |
| 2 | Coil- Upper | [1] | 1 |
| 400 | Drain Pan | | |
| | Galvanized (C27= CYYY) | 056267751 | 1 |
| | Stainless (C27= CYYS) | 056267752 | 1 |
| 450 | Pan- Auxilliary | 056271401 | 1 |
| 480 | Pan- Liner | 055531202 | 1 |
| 490 | Drain Pan | | |
| | Galvanized (C27= CYYY) | 096235001 | 1 |
| | Stainless (C27= CYYS) | 055531354 | 1 |

[1] Evaporator coils are serial number specific. Contact Daikin Applied with model and serial number information so that the correct coil(s) can be identified.

[2] 089 thru 150C units may have either a 48" OR a 24/48" (72" OAL) section installed. Confirm section size before ordering or contact Daikin Applied with model and serial number information so that the correct coil(s) can be identified.

# Section E- 48” Draw-Thru Spacer/Blank Section

## Notes



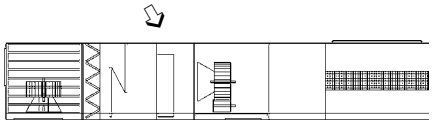
Primary Codes that pertain: 26, 30
Additional Codes that pertain: 06

Code 26 & 30 determine all of the section characteristics. If Code 26= F, S AND/OR Code 30= BBBBBB there is a 48” Blank/Spacer Section. If Code 26= E AND/OR Code 30= EEEEEE there is a 24” Blank/Spacer Section. If Code 26= Y AND/OR Code 30= YYYYYY, there is no section.

Code 06 determines the liners and insulation, and will affect the final assembly panels. **For sheet metal components that make up the 48” Draw-Thru Spacer/Blank Section, contact Daikin Applied to ensure that correct liners, insulation and hardware are ordered. For Standard Door Latching Assemblies, see Section H- Blow-Thru Heat Blank Access Section.**

# Section E- Draw-Thru Heat Section for RDE Units

## Notes



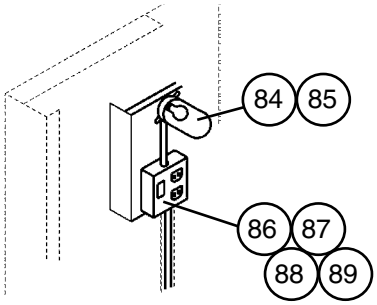
Primary Codes that pertain: 04, 30
Additional Codes that pertain: 06

Code 04 determines what type of heat was specified. Draw-Thru Heat units typically are hydronic with Hot Water (Code 04= H) OR Steam (Code 04= S) heat. If Code 04= E (Electric Heat), contact Daikin Applied with model and serial number information so that the correct part(s) can be identified.

Code 30 determines the Hydronic Heating Coil and associated Valve characteristics OR Electric Heat specifications.

Code 06 determines the liners and insulation, and will affect the final assembly panels. **For sheet metal components that make up the 48” RDE Draw-Thru Heat Section, contact Daikin Applied to ensure that correct liners, insulation and hardware are ordered. For Standard Door Latching Assemblies, see Section H- Blow-Thru Heat Blank Access Section.**

## Section Mounted Controls




**LT18- Draw-Thru Heat Light; S18- Draw-Thru Heat Light Switch; REC18- Draw-Thru Heat Receptacle**

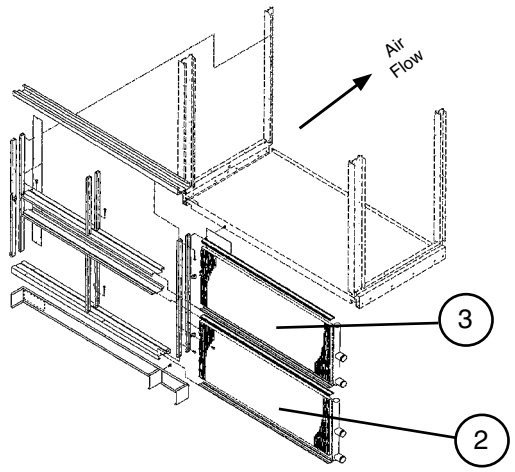
| Ref. No. | Part Description | Part Number | Qty. |
|---|---|---|---|
| 84 | Light Fixture | 042229500 | 1 |
| 85 | Bulb- LT18 | 065492402 | 1 |
| 86 | Junction Box | 065491901 | 1 |
| 87 | Junction Box Cover | 065492001 | 1 |
| 88 | Light Switch- S18 | 065492201 | 1 |
| 89 | Receptacle- REC18 | 030187000 | 1 |

# Section E- Draw-Thru Heat Section for RDE Units

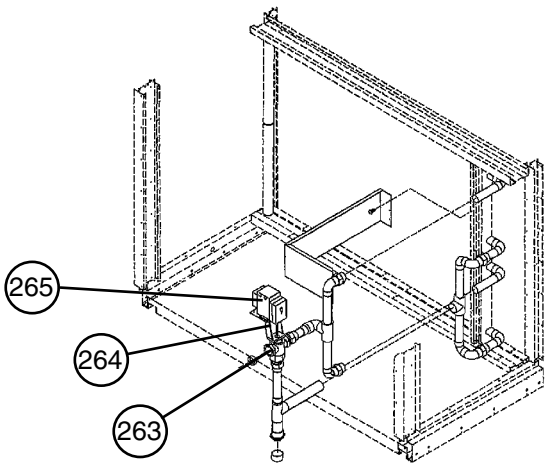
## Hot Water & Steam Heat Coils, Mixing Valves, & Actuator VM1

## Code 30= W11***, W12***, W22***, OR S11***, S12***, S13***, S14*** [1]

### Coil Location




### Mixing Valve Detail

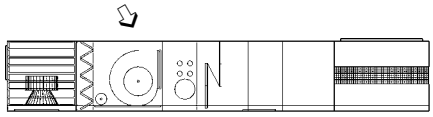



| Ref. No. | Sch. Sym. | Part Description | Code 30= | Coil Type | Coil Height | Part Number | Qty. |
|---|---|---|---|---|---|---|---|
| 2 | | Hot Water Heat Coil- Bottom | W11*** | 5WH0901H | 42” | 056053065 | 1 |
| | | Hot Water Heat Coil- Bottom | W22*** | 5WS0902C | 42” | 056053066 | 1 |
| 3 | | Hot Water Heat Coil- Top | W11*** | 5WH0901H | 39” | 056053045 | 1 |
| | | Hot Water Heat Coil- Top | W22*** | 5WS0902C | 39” | 056053046 | 1 |
| 263 | | Valve, 3 Way- Hot Water Heat | | | | | |
| | | 1.25” | W**E3* | ALL | ALL | 047936505 | 1 |
| | | 1.50” | W**F3* | ALL | ALL | 047936501 | 1 |
| | | 2.00” | W**G3* | ALL | ALL | 047936502 | 1 |
| | | 2.50” | W**H3* | ALL | ALL | 047936506 | 1 |
| | | 3.00” | W**J3* | ALL | ALL | 047936503 [2] | 1 |
| 264 | | Linkage- 1.25” thru 2.00” Valve | *****E | ALL | ALL | 049762401 | 1 |
| | | Linkage- 2.50”, 3.00” Valve | *****E | ALL | ALL | 049762403 | 1 |
| 265 | VM1 | Actuator 120V | *****E | ALL | ALL | 059999804 | 1 |

[1] For Steam Heat Coils and Components (Code 30= S*****) contact Daikin Applied with model and serial number information so that the correct part(s) can be identified.

[2] Hot Water Heat 3.00” Valve uses Flange Gasket p/n: 031316000.

# Section F- Supply Air Section
## Notes



Primary Codes that pertain: 31, 32, 33 (Mid 2012 & Earlier), 59 (Mid 2012 & Later)
Additional Codes that pertain: 04, 06, 08, 14, 15, 34, 40, 49

Code 31 determines the Supply Fan size, type, and mounting method. RPE units can have a 33", 36", 40" Airfoil OR Forward Curved Wheel. If the unit is equipped with a Forward Curved Wheel (Code 31= **F*, **M*) contact Daikin Applied so that the required part(s) can be identified. RDE units can have either a 44" OR a 49" Airfoil Wheel. Digit four of Code 31 indicates the Fan Mounting type. If digit four is a 1 the unit has Rubber-In-Shear (RIS) isolators. If digit four is a 2 the unit has Spring Isolators. If digit four is 3 the unit has Spring Isolators with Seismic Snubbers.

Code 32 determines the Supply Fan Motor horsepower and type. Fan Motors range from 5.0- 75 horsepower. Note that 75 horsepower Motors are NOT available in 208V (Code 09= 12) OR 230V (Code 09= 29).

Code 33 (Mid 2012 & Earlier) OR Code 59 (Mid 2012 & Later) determine the Drive Components selected. **Drive components (Fan Sheave, Motor Sheave, V-belt(s), and Sheave Bushing(s) [if required]) are NOT listed as they are unique to the unit. If a drive component is required you may use the number from the part and cross reference it with the Drive Components Cross Reference, form number 571006, or contact Daikin Applied with model and serial number information for identification.**

Code 04 AND Code 34 determine the heat type, which can affect the final assembly part numbers, the location of the discharge plenum, as well as the section installed controls.

Code 06 determines the liners and insulation, and will affect the final assembly panels. **For sheet metal components that make up the Supply Air Section, contact Daikin Applied to ensure that correct liners, insulation and hardware are ordered. For Standard Door Latching Assemblies, see Section H- Blow-Thru Heat Blank Access Section.**

Code 08 determines the location of the unit's Main Control Box. RDE units with no Blow-Thru Section have their Main Control Boxes in the Supply Air Section.

Codes 14 & 15 determine if the unit has Inverter(s) and if so where they are installed. If Code 14= 3, 5, 6, 7, 8, 9 the Inverter(s) are installed in the Supply Air Section. If Code 14= 1, 2, 4 AND Code 26= E, F, S, there is a separate Inverter Section. If Code 14= Y, there are no factory supplied Inverters. Code 15 references which Inverter vendor was selected. If Code 15= F, the unit is set up for a field supplied Inverter. If Code 15= F, contact Daikin Applied with the Inverter vendor and vendor part number to see if a replacement can be supplied. **All components pertaining to the Supply and Return Air Inverters are listed in this section.**

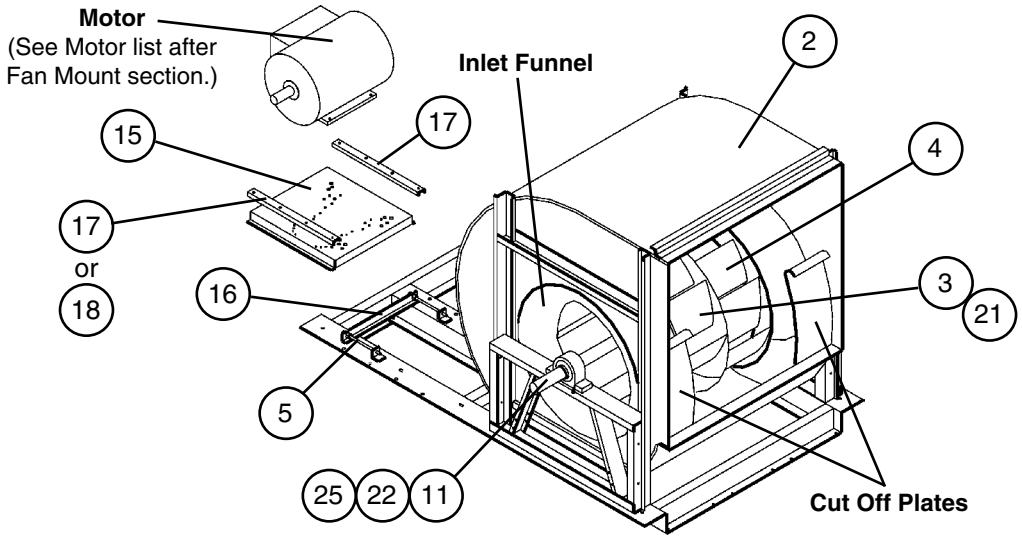
Code 40 determines the Discharge Plenum configuration. RDE units always have the Discharge Plenum located in Section F. If Code 40= BE, there is an Isolation Damper with Actuator ACT5. The Isolation Damper and related components are detailed in the Discharge Plenum Section (Section K).

Code 49 determines if the Supply Air section is supplied with a Belt Guard (Code 49= A, D), a Fan Section Light (Code 49= B, E), or both (Code 49= C, F).

# Section F- Supply Air Section

## Air Foil Fan, Double Width

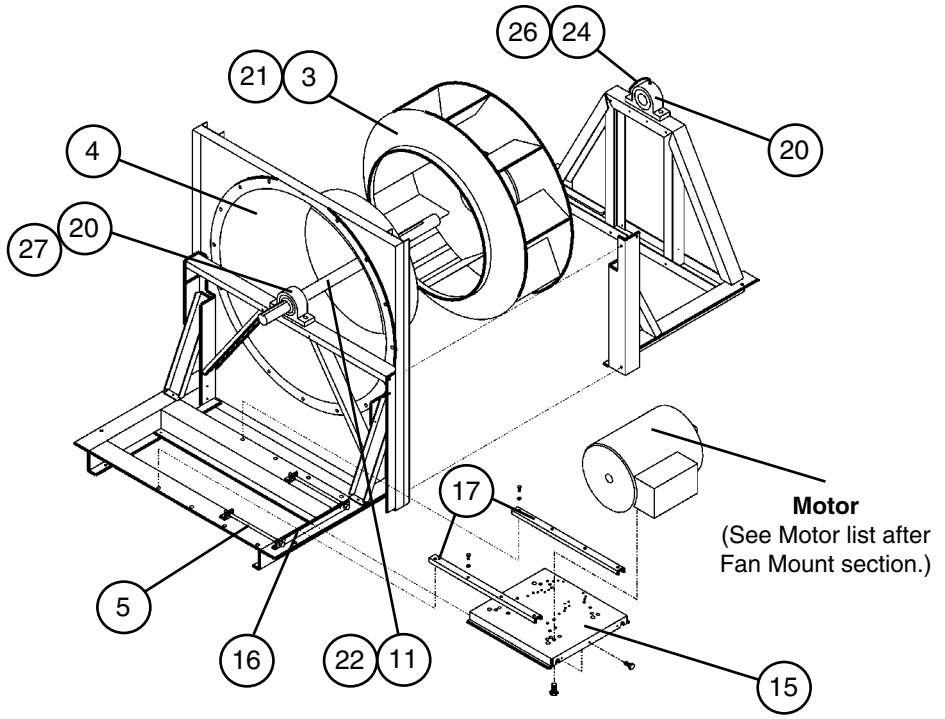
## Code 31= 33A*, 36A*, 40A* [1]




| Ref. No | Part Description | | Part Number | Fan Size 33” | 36” | 40” |
|---|---|---|---|---|---|---|
| 2 | Housing Assy- Blower | (Code 31= 33A*) | 055527704 | 1 | | |
| | Inlet Funnel only | | 031940903 | 2 | | |
| | Cut Off Plate only | | 031636000 | 2 | | |
| | Housing Assy- Blower | (Code 31= 36A*) | 055527705 | | 1 | |
| | Inlet Funnel only | | 031940904 | | 2 | |
| | Cut Off Plate only | | 031636100 | | 2 | |
| | Housing Assy- Blower | (Code 31= 40A*) | 055527706 | | | 1 |
| | Inlet Funnel only | | 031940905 | | | 2 |
| | Cut Off Plate only | | 031636200 | | | 2 |
| 3 | Wheel, Fan- Single Inlet Single Width | CW | 066543205 | 1 | | |
| | Wheel, Fan- Single Inlet Single Width | CW | 066543207 | | 1 | |
| | Wheel, Fan- Single Inlet Single Width | CW | 066543209 | | | 1 |
| 4 | Wheel, Fan- Single Inlet Single Width | CCW | 066543206 | 1 | | |
| | Wheel, Fan- Single Inlet Single Width | CCW | 066543208 | | 1 | |
| | Wheel, Fan- Single Inlet Single Width | CCW | 066543210 | | | 1 |
| 5 | Screw Adjust Assembly | | 055528202 | 2 | 2 | 2 |
| 11 | Shaft- 2.438” Diameter | | 055515702 | 1 | | |
| | Shaft- 2.688” Diameter | | 055667303 | | 1 | |
| | Shaft- 2.938” Diameter | | 055642402 | | | 1 |
| 15 | Motor Mount Assembly | | 056104501 | 1 | 1 | 1 |
| 16 | Angle- Motor Mount | | 055514201 | 1 | 1 | 1 |
| 17 | Holddown | | 041272900 | 1 | 2 | 2 |
| 18 | Angle, Clamping | | 055576601 | 1 | | |
| 21 | Key- Fan | 4.75” Long X 5/8” Diameter | 023221617 | 2 | | |
| | Key- Fan | 10.00” Long X 5/8” Diameter | 023221613 | | 1 | |
| | Key- Fan | 5.50” Long X 3/4” Diameter | 023221702 | | | 2 |
| 22 | Key- Sheave | 6.50” Long X 1/2” Diameter | 023221610 | 1 | 1 | |
| | Key- Sheave | 5.50” Long X 3/4” Diameter | 023221702 | | | 1 |
| 25 | Bearing- Ball | 2.437” Bore | 020648655 | 2 | | |
| | Bearing- Ball | 2.688” Bore | 020648658 | | 2 | |
| | Bearing- Ball | 2.938” Bore | 020648659 | | | 2 |

[1] Drive components (Fan Sheave, Motor Sheave, V-belt(s), and Sheave Bushing(s) [if required]) are NOT listed as they are unique to the unit. If a drive component is needed use the number from the part and cross reference it with the ***Cross Reference: Drive Components*** Form number: 571006, or contact Daikin Applied to ensure that the required part(s) are correctly identified.

# Section F- Supply Air Section
## Air Foil Fan, Single Width
## Code 31= 44B*, 49B* [1]




| Ref. No. | Part Description | Part Number | Fan Size 44” | Fan Size 49” |
|---|---|---|---|---|
| 3 | Wheel, Fan- Single Inlet/Single Width | 110942010 | 1 | |
| | Wheel, Fan- Single Inlet/Single Width | 110942011 | | 1 |
| 4 | Inlet Funnel Assembly | 110941810 | 1 | |
| | Inlet Funnel Assembly | 110941811 | | 1 |
| 5 | Screw Adjust Assembly | 055528203 | 2 | 2 |
| 11 | Shaft- 2.438” Diameter | 055534702 | 1 | |
| | Shaft- 2.188” Diameter | 056079802 | | 1 |
| 15 | Mount Assembly-Motor | 056104501 | 1 | 1 |
| 16 | Angle- Motor Mount | 055514201 | 1 | 1 |
| 17 | Angle, Clamping | 055512701 | 2 | 2 |
| 20 | Bearing- Ball, 2.437” Bore | 020648655 | 2 | |
| | Bearing- Ball, 2.188” Bore | 020648654 | | 2 |
| 21 | Key- Fan, 6.50” Long X 5/8” Diameter | 023221610 | 1 | |
| | Key- Fan, 6.00” Long X 1/2” Diameter | 023221520 | | 1 |
| 22 | Key- Fan, 5.50” Long X 5/8” Diameter | 023221607 | 1 | |
| | Key- Fan, 6.00” Long X 1/2” Diameter | 023221520 | | 1 |
| 24 | Tubing- Plastic | 021136795 | 1 | |
| | Tubing- Plastic | 021136798 | | 1 |
| 26 | Fitting- 1/4” OD X 1/8” MPT | 027674000 | 1 | 1 |
| 27 | Fitting- 1/4” OD X 1/8” FPT | 027674100 | 1 | 1 |

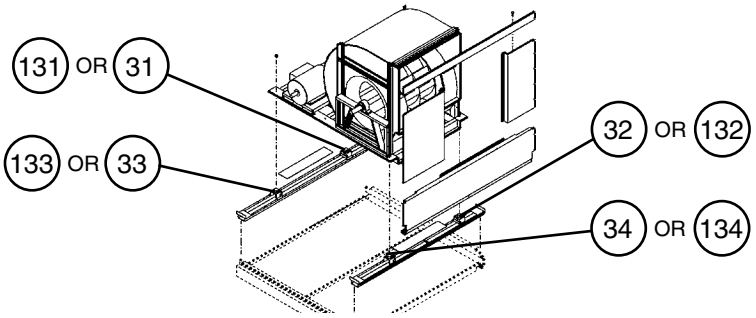
[1] Drive components (Fan Sheave, Motor Sheave, V-belt(s), and Sheave Bushing(s) [if required]) are NOT listed as they are unique to the unit. If a drive component is needed use the number from the part and cross reference it with the ***Cross Reference: Drive Components*** Form number: 571006, or contact Daikin Applied to ensure that the required part(s) are correctly identified.

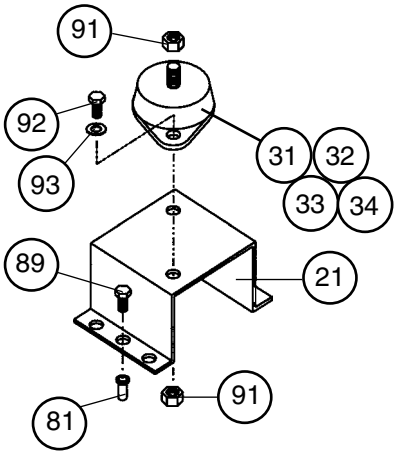
# Section F- Supply Air Section

## Fan Mounts- 33" Airfoil Double Width Fan

## Code 31= 33A1, 33A2, 33A3

### Mounting Layout Diagram

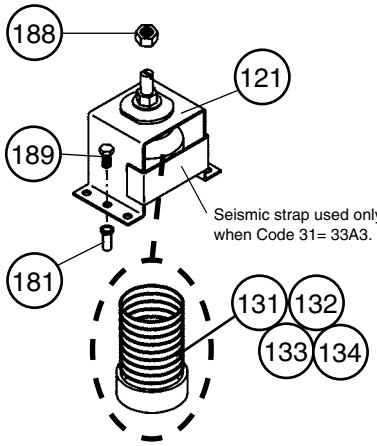



**Rubber Mounts**

### Rubber Mounts (Code 31= 33A1)

| Ref. No. | Fan Motor HP | Part Description | Part Number | Qty. |
|---|---|---|---|---|
| 21 | All | Channel- Mount Support | 098316001 | 4 |
| 31 | 5, 7.5 | Rubber Mount- Black | 021639704 | 1 |
| | 10- 50 | Rubber Mount- Red | 021639701 | 1 |
| 32 | All | Rubber Mount- Black | 021639704 | 1 |
| 33 | 5- 25 | Rubber Mount- Red | 021639701 | 1 |
| | 30- 50 | Rubber Mount- Green | 021639703 | 1 |
| 34 | 5- 25 | Rubber Mount- Black | 021639704 | 1 |
| | 30- 50 | Rubber Mount- Red | 021639701 | 1 |
| 81 | All | Nut | 059992201 | 8 |
| 89 | All | Screw | 112047201 | 8 |
| 91 | All | Nut, 1/2-13 | 032333305 | 12 |
| 92 | All | Screw- Cap, 1/2-13 X 1" | 040499501 | 8 |
| 93 | All | Washer- Plain, 1/2" | 048164812 | 8 |




**Spring Mounts**

### Spring (Code 31= 33A2) & Seismic Mounts (Code 31= 33A3)

| Ref. No. | Fan Motor HP | Part Description | Part Number | Qty. |
|---|---|---|---|---|
| 121 | All | Mount | | |
| | | Spring (Code 31= 33A2) | 251783201 | 4 |
| | | Seismic (Code 31= 33A3) | 251783301 | 4 |
| 131 | 5, 7.5 | Spring Mount- Green | 251784701 | 1 |
| | 10- 30 | Spring Mount- Brown | 251784801 | 1 |
| | 40, 50 | Spring Mount- Red | 251784901 | 1 |
| 132 | All | Spring Mount- Brown | 251784801 | 1 |
| 133 | 5, 7.5 | Spring Mount- Brown | 251784801 | 1 |
| | 10- 30 | Spring Mount- Red | 251784901 | 1 |
| | 40, 50 | Spring Mount- Red/Black | 251785001 | 1 |
| 134 | All | Spring Mount- Red | 251784901 | 1 |
| 181 | All | Nut | | |
| | | Spring (Code 31= 33A2) | 059992201 | 12 |
| | | Seismic (Code 31= 33A3) | 111056301 | 20 |
| 188 | All | Nut | 040500002 | 4 |
| 189 | All | Screw | | |
| | | Spring (Code 31= 33A2) | 112047201 | 12 |
| | | Seismic (Code 31= 33A3) | 112047201 | 20 |

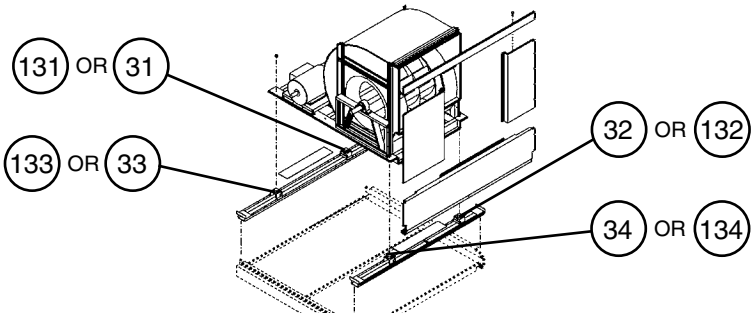
# Section F- Supply Air Section

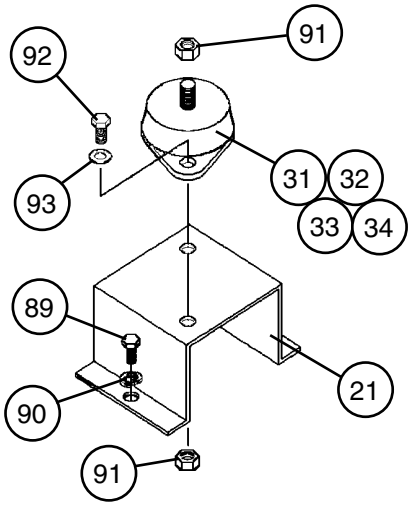
## Fan Mounts- 36” Airfoil Double Width Fan

## Code 31= 36A1, 36A2, 36A3

## Until 12/04

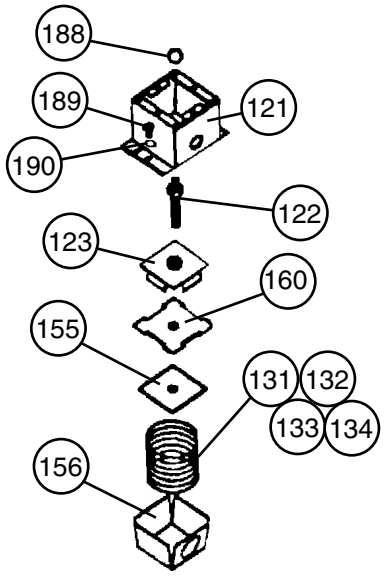
### Mounting Layout Diagram




**Rubber Mounts (Code 31= 36A1)**

| Ref. No. | Fan Motor HP | Part Description | Part Number | Qty. |
|---|---|---|---|---|
| 21 | All | Channel- Mount Support | 098316001 | 4 |
| 31 | All | Rubber Mount- Red | 021639701 | 1 |
| 32 | 10, 30- 50 | Rubber Mount- Red | 021639701 | 1 |
| | 20, 60, 75 | Rubber Mount- Black | 021639704 | 1 |
| 33 | 10- 25 | Rubber Mount- Red | 021639701 | 1 |
| | 30- 50 | Rubber Mount- Green | 021639703 | 1 |
| | 60, 75 | Rubber Mount- Gray | 021639705 | 1 |
| 34 | All | Rubber Mount- Red | 021639701 | 1 |
| 89 | All | Screw- Cap, 3/8-16 X 1” | 048878118 | 8 |
| 90 | All | Washer- Lock, 3/8” | 048164812 | 8 |
| 91 | All | Nut, 1/2-13 | 032333305 | 12 |
| 92 | All | Screw- Cap, 1/2-13 X 1” | 040499501 | 8 |




**Spring Mounts (Code 31= 36A2, 36A3)**

| Ref. No. | Fan Motor HP | Part Description | Part Number | Qty. |
|---|---|---|---|---|
| 121 | All | Support Assembly | 055606901 | 4 |
| 122 | All | Screw Adjust Assembly | 055528201 | 4 |
| 123 | All | Channel Assembly | 055606801 | 4 |
| 131 | 10- 60 | Mount- Spring, Red | 048448503 | 1 |
| | 75 | Mount- Spring, Green | 048448504 | 1 |
| 132 | 10 | Mount- Spring, Red | 048448503 | 1 |
| | 15- 60 | Mount- Spring, Dk. Yellow | 048448502 | 1 |
| | 75 | Mount- Spring, Blue | 048448501 | 1 |
| 133 | 10- 20 | Mount- Spring, Red | 048448503 | 1 |
| | 25- 75 | Mount- Spring, Green | 048448504 | 1 |
| 134 | All | Mount- Spring, Red | 048448503 | 1 |
| 155 | All | Plate- Gasket Retainer | 055502101 | 4 |
| 156 | All | Support- Spring Locator | 055502201 | 4 |
| 160 | All | Pad- Rubber Vibration | 048447901 | 4 |
| 188 | All | Nut, 5/8-11 | 040500002 | 4 |
| 189 | All | Screw- Cap, 3/8-16 X 1” | 048878118 | 12 |
| 190 | All | Washer- Lock, 3/8” | 048164812 | 8 |
| N/S | All | Screw- Tapping, 1/4-20 | 046093809 | 8 |

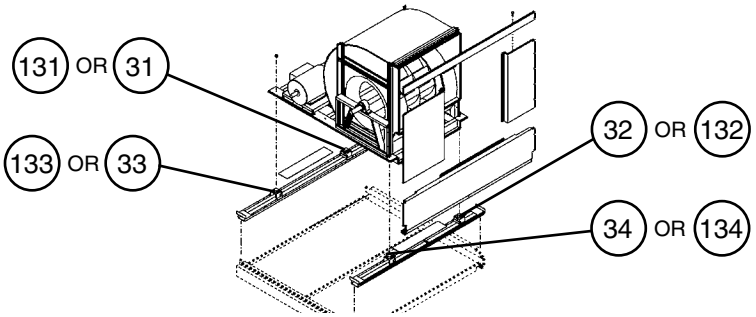
# Section F- Supply Air Section

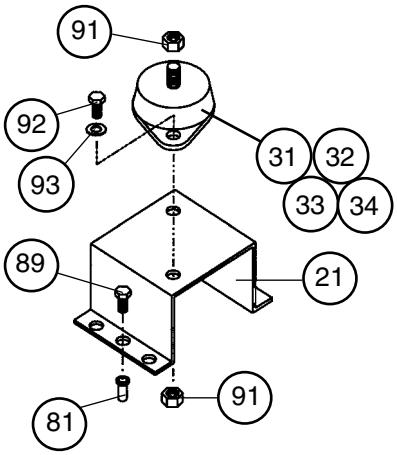
## Fan Mounts- 36" Airfoil Double Width Fan

## Code 31= 36A1, 36A2, 36A3

## 12/04 & Later

### Mounting Layout Diagram

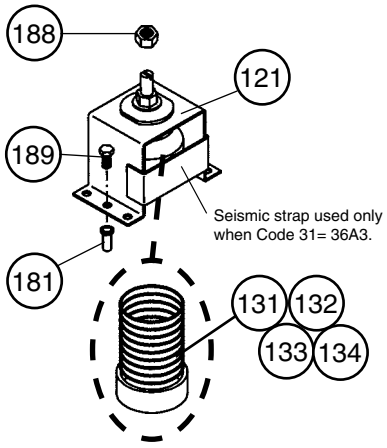



**Rubber Mounts**

**Rubber Mounts (Code 31= 36A1, 36V1)**

| Ref. No. | Fan Motor HP | Part Description | Part Number | Qty. |
|---|---|---|---|---|
| 21 | All | Channel- Mount Support | 098316001 | 4 |
| 31 | All | Rubber Mount- Red | 021639701 | 1 |
| 32 | 10, 30- 50 | Rubber Mount- Red | 021639701 | 1 |
| | 20, 60, 75 | Rubber Mount- Black | 021639704 | 1 |
| 33 | 10- 25 | Rubber Mount- Red | 021639701 | 1 |
| | 30- 50 | Rubber Mount- Green | 021639703 | 1 |
| | 60, 75 | Rubber Mount- Gray | 021639705 | 1 |
| 34 | All | Rubber Mount- Red | 021639701 | 1 |
| 81 | All | Nut | 059992201 | 8 |
| 89 | All | Screw | 112047201 | 8 |
| 91 | All | Nut, 1/2-13 | 032333305 | 12 |
| 92 | All | Screw- Cap, 1/2-13 X 1" | 040499501 | 8 |
| 93 | All | Washer- Plain, 1/2" | 048164812 | 8 |




**Spring Mounts**

**Spring (Code 31= 36A2) & Seismic Mounts (Code 31= 36A3)**

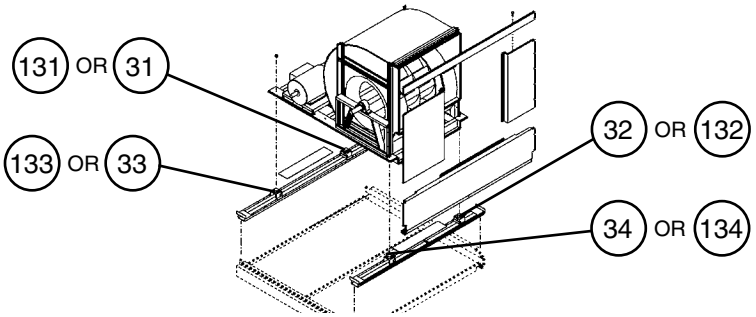
| Ref. No. | Fan Motor HP | Part Description | Part Number | Qty. |
|---|---|---|---|---|
| 121 | All | Mount | | |
| | | Spring (Code 31= 36A2) | 251783201 | 4 |
| | | Seismic (Code 31= 36A3) | 251783301 | 4 |
| 131 | 10, 15 | Spring Mount- Brown | 251784801 | 1 |
| | 20- 50 | Spring Mount- Red | 251784901 | 1 |
| | 60, 75 | Spring Mount- Red/Black | 251785001 | 1 |
| 132 | All | Spring Mount- Brown | 251784801 | 1 |
| 133 | 10, 15 | Spring Mount- Red | 251784901 | 1 |
| | 20- 50 | Spring Mount- Red/Black | 251785001 | 1 |
| | 60, 75 | Spring Mount- Red/Green | 251785101 | 1 |
| 134 | 10- 20 | Spring Mount- Red | 251784901 | 1 |
| | 25- 75 | Spring Mount- Red/Black | 251785001 | 1 |
| 181 | All | Nut | | |
| | | Spring (Code 31= 36A2) | 059992201 | 12 |
| | | Seismic (Code 31= 36A3) | 111056301 | 20 |
| 188 | All | Nut | 040500002 | 4 |
| 189 | All | Screw | | |
| | | Spring (Code 31= 36A2) | 112047201 | 12 |
| | | Seismic (Code 31= 36A3) | 112047201 | 20 |

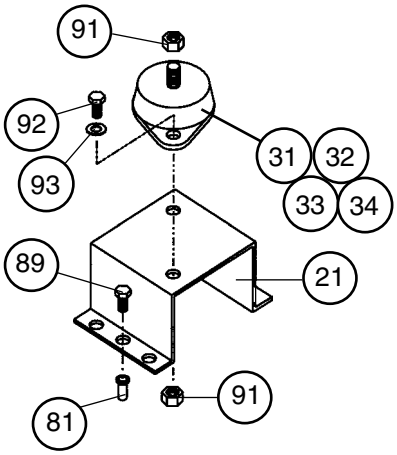
# Section F- Supply Air Section

## Fan Mounts- 40” Airfoil Double Width Fan

## Code 31= 40A1, 40A2, 40A3

### Mounting Layout Diagram

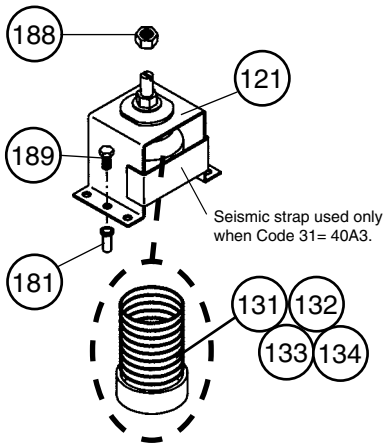



**Rubber Mounts**

### Rubber Mounts (Code 31= 40A1)

| Ref. No. | Fan Motor HP | Part Description | Part Number | Qty. |
|---|---|---|---|---|
| 21 | All | Channel- Mount Support | 098316001 | 4 |
| 31 | 10- 50 | Rubber Mount- Red | 021639701 | 1 |
| | 60, 75 | Rubber Mount- Green | 021639703 | 1 |
| 32 | 10- 30 | Rubber Mount- Red | 021639701 | 1 |
| | 40- 75 | Rubber Mount- Black | 021639704 | 1 |
| 33 | 10, 15 | Rubber Mount- Red | 021639701 | 1 |
| | 20- 50 | Rubber Mount- Green | 021639703 | 1 |
| | 60, 75 | Rubber Mount- Gray | 021639705 | 1 |
| 34 | All | Rubber Mount- Red | 021639701 | 1 |
| 81 | All | Nut | 059992201 | 8 |
| 89 | All | Screw | 112047201 | 8 |
| 91 | All | Nut, 1/2-13 | 032333305 | 12 |
| 92 | All | Screw- Cap, 1/2-13 X 1” | 040499501 | 8 |
| 93 | All | Washer- Plain, 1/2” | 048164812 | 8 |




**Spring Mounts**

### Spring (Code 31= 40A2) & Seismic Mounts (Code 31= 40A3)

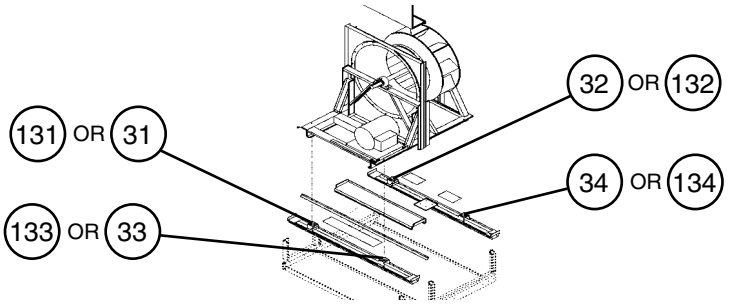
| Ref. No. | Fan Motor HP | Part Description | Part Number | Qty. |
|---|---|---|---|---|
| 121 | All | Mount | | |
| | | Spring (Code 31= 40A2) | 251783201 | 4 |
| | | Seismic (Code 31= 40A3) | 251783301 | 4 |
| 131 | 10 | Spring Mount- Brown | 251784801 | 1 |
| | 15- 30 | Spring Mount- Red | 251784901 | 1 |
| | 40- 75 | Spring Mount- Red/Black | 251785001 | 1 |
| 132 | All | Spring Mount- Brown | 251784801 | 1 |
| 133 | 10 | Spring Mount- Red | 251784901 | 1 |
| | 15- 30 | Spring Mount- Red/Black | 251785001 | 1 |
| | 40- 75 | Spring Mount- Red/Green | 251785101 | 1 |
| 134 | 10- 20 | Spring Mount- Red | 251784901 | 1 |
| | 25- 75 | Spring Mount- Red/Black | 251785001 | 1 |
| 181 | All | Nut | | |
| | | Spring (Code 31= 40A2) | 059992201 | 12 |
| | | Seismic (Code 31= 40A3) | 111056301 | 20 |
| 188 | All | Nut | 040500002 | 4 |
| 189 | All | Screw | | |
| | | Spring (Code 31= 40A2) | 112047201 | 12 |
| | | Seismic (Code 31= 40A3) | 112047201 | 20 |

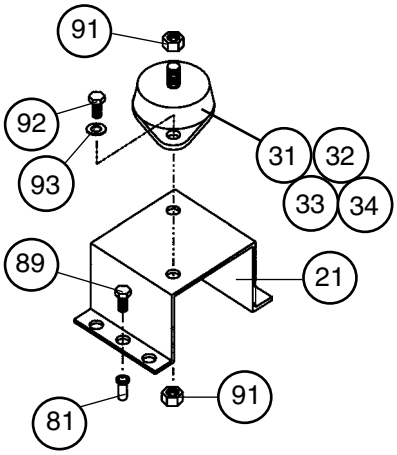
# Section F- Supply Air Section

## Fan Mounts- 44” Airfoil Single Width Fan

## Code 31= 44B1, 44B2, 44B3

### Mounting Layout Diagram

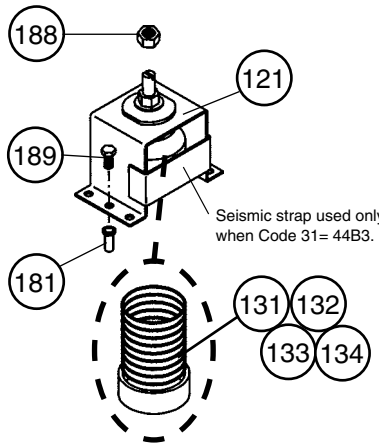



**Rubber Mounts**

**Rubber Mounts (Code 31= 44B1)**

| Ref. No. | Fan Motor HP | Part Description | Part Number | Qty. |
|---|---|---|---|---|
| 21 | All | Channel- Mount Support | 098316001 | 4 |
| 31 | 7.5- 25 | Rubber Mount- Black | 021639704 | 1 |
| | 30- 60 | Rubber Mount- Red | 021639701 | 1 |
| 32 | All | Rubber Mount- Red | 021639701 | 1 |
| 33 | 7.5, 10 | Rubber Mount- Black | 021639704 | 1 |
| | 15- 50 | Rubber Mount- Red | 021639701 | 1 |
| | 60 | Rubber Mount- Green | 021639703 | 1 |
| 34 | All | Rubber Mount- Red | 021639701 | 1 |
| 81 | All | Nut | 059992201 | 8 |
| 89 | All | Screw | 112047201 | 8 |
| 91 | All | Nut- 1/2-13 | 032333305 | 12 |
| 92 | All | Screw- Cap, 1/2-13 X 1” | 040499501 | 8 |
| 93 | All | Washer- Plain, 1/2” | 048164812 | 8 |




**Spring Mounts**

**Spring (Code 31= 44B2) & Seismic Mounts (Code 31= 44B3)**

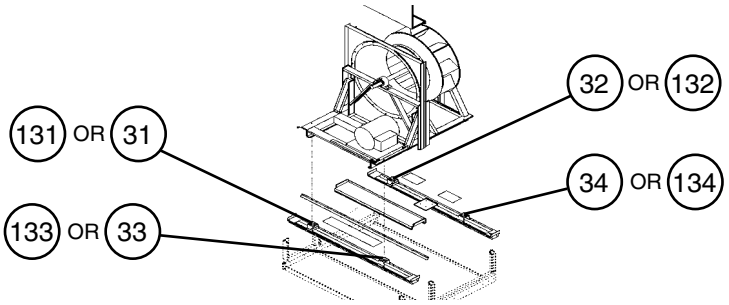
| Ref. No. | Fan Motor HP | Part Description | Part Number | Qty. |
|---|---|---|---|---|
| 121 | All | Mount | | |
| | | Spring (Code 31= 44B2) | 251783201 | 4 |
| | | Seismic (Code 31= 44B3) | 251783301 | 4 |
| 131 | 7.5- 20 | Spring Mount- Green | 251784701 | 1 |
| | 25- 50 | Spring Mount- Brown | 251784801 | 1 |
| | 60 | Spring Mount- Red | 251784901 | 1 |
| 132 | All | Spring Mount- Brown | 251784801 | 1 |
| 133 | 7.5- 25 | Spring Mount- Brown | 251784801 | 1 |
| | 30- 50 | Spring Mount- Red | 251784901 | 1 |
| | 60 | Spring Mount- Red/Black | 251785001 | 1 |
| 134 | All | Spring Mount- Red | 251784901 | 1 |
| 181 | All | Nut | | |
| | | Spring (Code 31= 44B2) | 059992201 | 12 |
| | | Seismic (Code 31= 44B3) | 111056301 | 20 |
| 188 | All | Nut | 040500002 | 4 |
| 189 | All | Screw | | |
| | | Spring (Code 31= 44B2) | 112047201 | 12 |
| | | Seismic (Code 31= 44B3) | 112047201 | 20 |

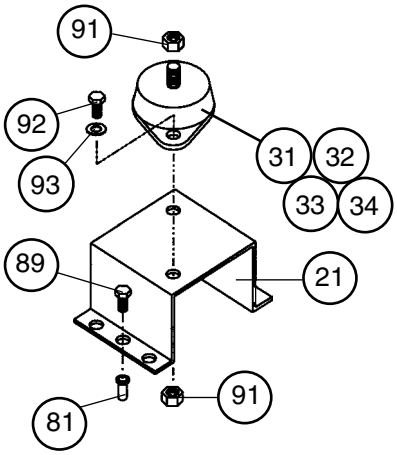
# Section F- Supply Air Section

## Fan Mounts- 49" Airfoil Single Width Fan

## Code 31= 49B1, 49B2, 49B3

### Mounting Layout Diagram

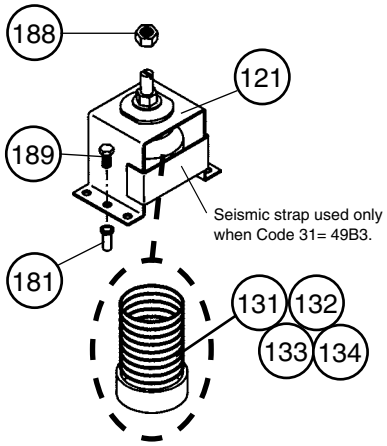



Rubber Mounts

**Rubber Mounts (Code 31= 49B1)**

| Ref. No. | Fan Motor HP | Part Description | Part Number | Qty. |
|---|---|---|---|---|
| 21 | All | Channel- Mount Support | 098316001 | 4 |
| 31 | All | Rubber Mount- Red | 021639701 | 1 |
| 32 | All | Rubber Mount- Red | 021639701 | 1 |
| 33 | 7.5- 30 | Rubber Mount- Red | 021639701 | 1 |
| | 40- 75 | Rubber Mount- Green | 021639703 | 1 |
| 34 | 7.5- 30 | Rubber Mount- Red | 021639701 | 1 |
| | 40- 75 | Rubber Mount- Green | 021639703 | 1 |
| 81 | All | Nut | 059992201 | 8 |
| 89 | All | Screw | 112047201 | 8 |
| 91 | All | Nut, 1/2-13 | 032333305 | 12 |
| 92 | All | Screw- Cap, 1/2-13 X 1" | 040499501 | 8 |
| 93 | All | Washer- Plain, 1/2" | 048164812 | 8 |




Spring Mounts

**Spring (Code 31= 49B2) & Seismic Mounts (Code 31= 49B3)**

| Ref. No. | Fan Motor HP | Part Description | Part Number | Qty. |
|---|---|---|---|---|
| 121 | All | Mount | | |
| | | Spring (Code 31= 44A2) | 251783201 | 4 |
| | | Seismic (Code 31= 44A3) | 251783301 | 4 |
| 131 | 7.5- 30 | Spring Mount- Red | 251784901 | 1 |
| | 40, 50 | Spring Mount- Red/Black | 251785001 | 1 |
| | 60, 75 | Spring Mount- Red/Green | 251785101 | 1 |
| 132 | All | Spring Mount- Red/Black | 251785001 | 1 |
| 133 | 7.5- 20 | Spring Mount- Red | 251784901 | 1 |
| | 25- 75 | Spring Mount- Red/Black | 251785001 | 1 |
| 134 | All | Spring Mount- Red/Black | 251785001 | 1 |
| 181 | All | Nut | | |
| | | Spring (Code 31= 44A2) | 059992201 | 12 |
| | | Seismic (Code 31= 44A3) | 111056301 | 20 |
| 188 | All | Nut | 040500002 | 4 |
| 189 | All | Screw | | |
| | | Spring (Code 31= 44A2) | 112047201 | 12 |
| | | Seismic (Code 31= 44A3) | 112047201 | 20 |

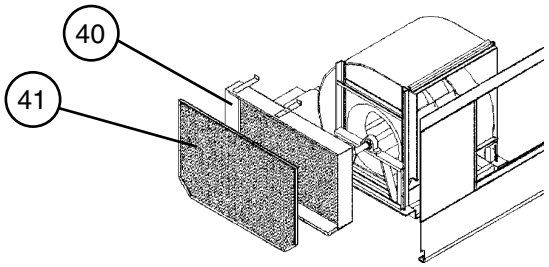
# Section F- Supply Air Section
## Supply Air Fan Motors

| H.P. | Unit Voltage | HP Code C32= | ODP HiEff C32= *EY | ODP PrEff. C32= *JY | TEFC HiEff C32= *HY | TEFC PrEff C32= *KY |
|---|---|---|---|---|---|---|
| | **C09= 12** | | | | | |
| 5 | 208/60/3 | J** | 039447600 | 065817200 | 049186800 | 065819500 |
| 7.5 | 208/60/3 | K** | 037530300 | 065817300 | 047665900 | 065819600 |
| 10 | 208/60/3 | L** | 038999000 | 065817400 | 047666100 | 065819700 |
| 15 | 208/60/3 | M** | 039896200 | 049100700 | 065817500 | 065819800 |
| 20 | 208/60/3 | N** | 039895800 | 049101300 | 065817600 | 065819900 |
| 25 | 208/60/3 | P** | 039448900 | 049100900 | 065817700 | 065820000 |
| 30 | 208/60/3 | Q** | 041775200 | 205066500 | 049187200 | 205066800 |
| 40 | 208/60/3 | R** | 041775300 | 205067100 | 049187300 | 205070700 |
| 50 | 208/60/3 | S** | 041775400 | 205067500 | 049187400 | 205091600 |
| 60 | 208/60/3 | T** | 041775800 | 205067700 | 049187500 | 205069600 |
| 75 | 208/60/3 | U** | [1] | [1] | [1] | [1] |
| | **C09= 29** | | | | | |
| 5 | 230/60/3 | J** | 039442500 | 065818200 | 040161200 | 065820200 |
| 7.5 | 230/60/3 | K** | 039448700 | 065818300 | 049100500 | 065820300 |
| 10 | 230/60/3 | L** | 039446500 | 065818400 | 044691100 | 065820400 |
| 15 | 230/60/3 | M** | 039446600 | 026215800 | 065818500 | 065820500 |
| 20 | 230/60/3 | N** | 039448800 | 031314500 | 065818600 | 065820600 |
| 25 | 230/60/3 | P** | 039896100 | 032242500 | 065818700 | 065820700 |
| 30 | 230/60/3 | Q** | 040626800 | 205066600 | 049025300 | 205067000 |
| 40 | 230/60/3 | R** | 041770000 | 205067200 | 048448000 | 205067200 |
| 50 | 230/60/3 | S** | 039899200 | 205067600 | 040161600 | 205069400 |
| 60 | 230/60/3 | T** | 041775500 | 065819100 | 046748300 | 205069600 |
| 75 | 230/60/3 | U** | [1] | [1] | [1] | [1] |
| | **C09= 27** | | | | | |
| 5 | 460/60/3 | J** | 039442500 | 065818200 | 040161200 | 065820200 |
| 7.5 | 460/60/3 | K** | 039448700 | 065818300 | 049100500 | 065820300 |
| 10 | 460/60/3 | L** | 039446500 | 065818400 | 044691100 | 065820400 |
| 15 | 460/60/3 | M** | 039446600 | 026215800 | 065818500 | 065820500 |
| 20 | 460/60/3 | N** | 039448800 | 031314500 | 065818600 | 065820600 |
| 25 | 460/60/3 | P** | 039896100 | 032242500 | 065818700 | 065820700 |
| 30 | 460/60/3 | Q** | 040626800 | 205066600 | 049025300 | 205067000 |
| 40 | 460/60/3 | R** | 041770000 | 205067200 | 048448000 | 205067200 |
| 50 | 460/60/3 | S** | 039899200 | 205067600 | 040161600 | 205069400 |
| 60 | 460/60/3 | T** | 041775500 | 065819100 | 046748300 | 205069600 |
| 75 | 460/60/3 | U** | 039447500 | 065817100 | 047358100 | 065819400 |
| | **C09= 37** | | | | | |
| 5 | 575/60/3 | J** | 046741900 | 205168900 | 049188400 | 046514600 |
| 7.5 | 575/60/3 | K** | 047443300 | 205168800 | 049188500 | 046514700 |
| 10 | 575/60/3 | L** | 047443400 | 205168600 | 049188600 | 065821400 |
| 15 | 575/60/3 | M** | 047443500 | 046749000 | 205166600 | 065821500 |
| 20 | 575/60/3 | N** | 049181100 | 049186200 | 205166800 | 065821600 |
| 25 | 575/60/3 | P** | 049181200 | 049186300 | 205166900 | 065821700 |
| 30 | 575/60/3 | Q** | 049181300 | 205066700 | 049188900 | 205067000 |
| 40 | 575/60/3 | R** | 049181400 | 205067300 | 049189000 | 205067300 |
| 50 | 575/60/3 | S** | 049181500 | 205091800 | 049189100 | 205069500 |
| 60 | 575/60/3 | T** | 049181600 | 205069000 | 049189200 | 205069800 |
| 75 | 575/60/3 | U** | 039447500 | 065817100 | 047358100 | 065819400 |

[1] 75HP motors are NOT available in 208V AND 230V units.

# Section F- Supply Air Section
## Belt Guards: Code 49= A, C, D, F

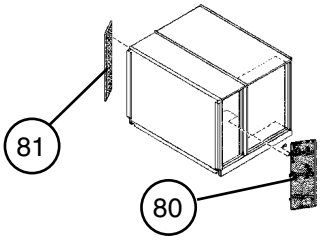
### Air Foil Double Width (AFDW) OR Forward Curved Fans (FCLP, FCMP)




| Ref. No. | Part Description | Part Number | Fan Size | | |
|---|---|---|---|---|---|
| | | | 33” | 36” | 40” |
| 40 | Grille Assembly | 055606004 | 1 | | |
| | Grille Assembly | 055606005 | | 1 | |
| | Grille Assembly | 055606006 | | | 1 |
| 41 | Belt Guard Assembly | 055606014 | 1 | | |
| | Belt Guard Assembly | 055606015 | | 1 | |
| | Belt Guard Assembly | 055606016 | | | 1 |

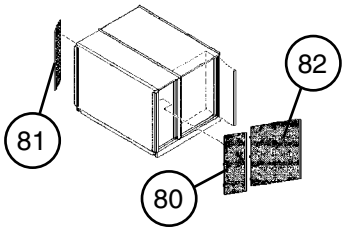
### Air Foil Single Width (AFSW) with Side Discharge (Code 40= H*), Main Control Box (Code 08= S, F)

The main control box is mounted in this section on RDE units (the Supply Air Section is mounted directly to the condenser section).



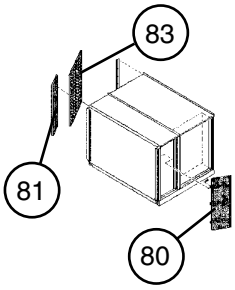

### Air Foil Single Width (AFSW) with Side Discharge (Code 40= S*), No Control Box (Code 08= P, D, Y)

RPE units (Main Control Box is mounted in the Discharge Plenum Section K).



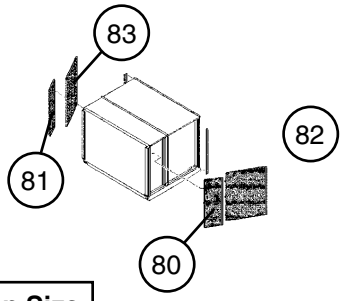

### Air Foil Single Width (AFSW) with Bottom Discharge (Code 40= G*), Main Control Box (Code 08= S, F)

The main control box is mounted in this section on RDE units (the Supply Air Section is mounted directly to the Condenser section).




### Air Foil Single Width (AFSW) with Bottom Discharge (Code 40= B*), No Control Box (Code 08= P, D, Y)

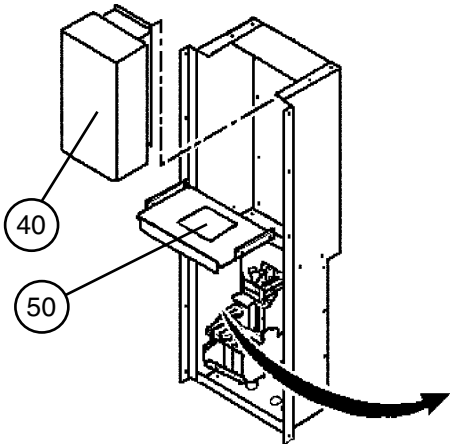
RPE units (Main Control Box is mounted in the Discharge Plenum Section K).



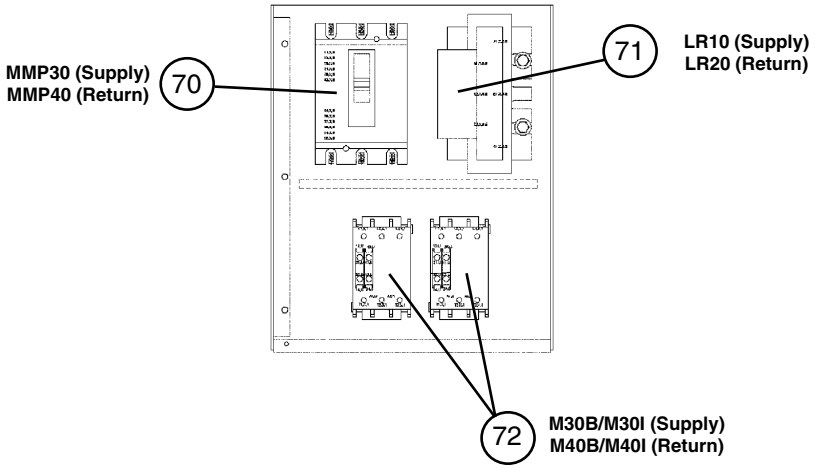

| Ref. No. | Part Description | Part Number | Fan Size | |
|---|---|---|---|---|
| | | | 44” | 49” |
| 80 | Grille Assy | 056259211 | 1 | |
| | Grille Assy | 056259221 | | 1 |
| 81 | Grille Assy | 056259212 | 1 | |
| | Grille Assy | 056259222 | | 1 |
| 82 | Grille Assy | 056259213 | 1 | 1 |
| 83 | Grille Assy | 056259214 | 1 | 1 |

# Section F- Supply Air Section
## Inverter Bypass Control Box
## 12/06 & Earlier
## Motor HP 5 (Code OR Code 32= J**)
## Diagrams

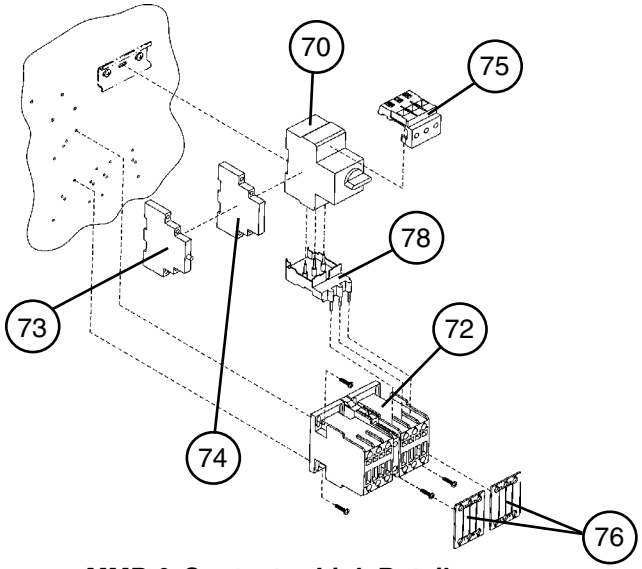
Inverters may be located in a separate section (Code 14= 1, 2, 4), OR the Supply Air Section (Code 14= 3, 5, 6, 7, 8, 9). The Inverter and Bypass components are the same regardless of the installation location, although the sheet metal components differ. The diagrams shown below apply to either a Return Air OR Supply Air Inverter (both may be installed if Code 14= 5, 7). Even if Code 14= 8, 9— where only a Return Air Fan Inverter is called for— the Inverter and Bypass controls are still normally installed in the Supply Air Section.




**Supply Air OR Return Air Fan Inverter with Bypass Control Box. (Code 14= 3, 5, 8)**
(Two boxes installed if Code 14= 5)




**Bypass Controls Detail**

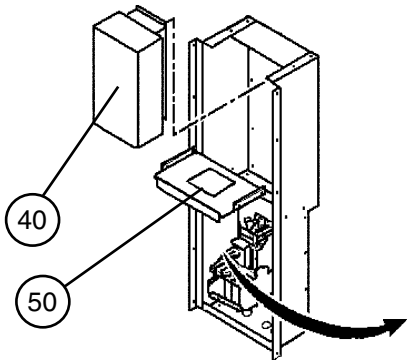



**MMP & Contactor Link Detail**

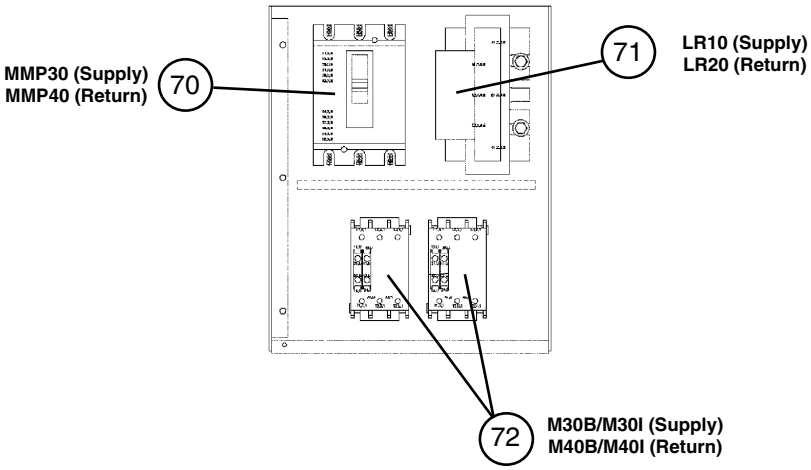
# Section F- Supply Air Section
## Inverter Bypass Control Box
## 12/06 & Earlier
## Motor HP 5 (Code 22 OR Code 32= J**)
## Components

| Ref. No. | Sch. Sym. | Part Description | Part Number | Motor HP 5 | | | |
|---|---|---|---|---|---|---|---|
| | | | | 208V | 230V | 460V | 575V |
| 40 | AFD10, 20 | Inverter- see Inverter section | | | | | |
| 50 | | Gasket | 055940207 | 1 | 1 | 1 | 1 |
| 70 | MMP30, 40 | Motor Control | 300041315 | | | | 1 |
| | | | 300041316 | | | 1 | |
| | | | 300041318 | 1 | 1 | | |
| 71 | LR10, 20 | Line Reactor- see page after Inverters | | | | | |
| 72 | M30B, I | Contactor | 300041395 | | | 1 | 1 |
| | M40B, I | | 300043340 | | 1 | | |
| | | | 349933301 | 1 | | | |
| 73 | | Alarm- Short Circuit | 300041298 | 1 | 1 | 1 | 1 |
| 74 | | Alarm/Aux. Contact | 349933902 | 1 | 1 | 1 | 1 |
| 75 | | Line Shield | 349933001 | 1 | 1 | 1 | 1 |
| 76 | | Cover- Contactor | 349932801 | | | 2 | 2 |
| | | | 349932802 | | 2 | | |
| | | | 349932803 | 2 | | | |
| 78 | | Link Module | 349932902 | | | 1 | 1 |
| | | | 349932903 | | 1 | | |
| | | | 300041308 | 1 | | | |

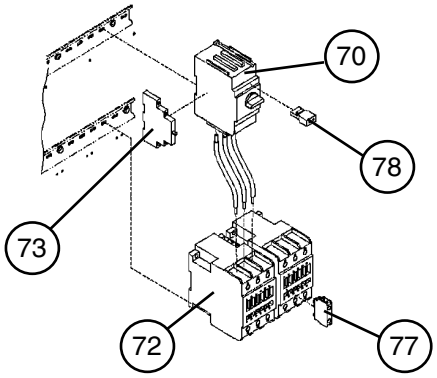
# Section F- Supply Air Section
## Inverter Bypass Control Box
## 12/06 & Earlier
## Motor HP 7.5- 25 (Code 22 OR Code 32= K**, L**, M**, N**, P**)
## Diagrams



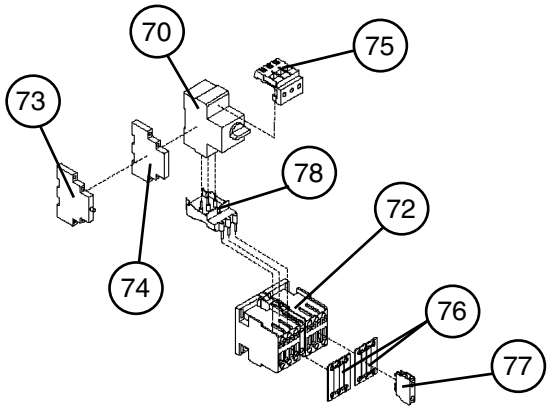

**Supply Air OR Return Air Fan Inverter w/ Bypass Control Box. (Code 14= 3, 5, 8)**
(Two boxes installed if Code 14= 5)



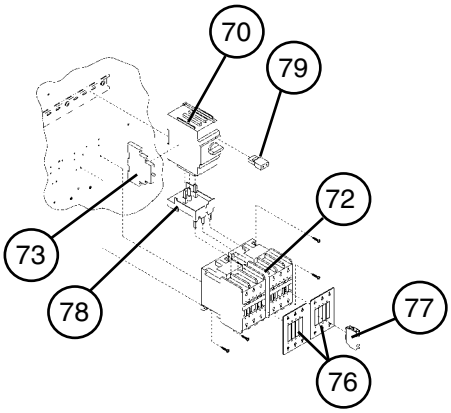

**Bypass Controls Detail**



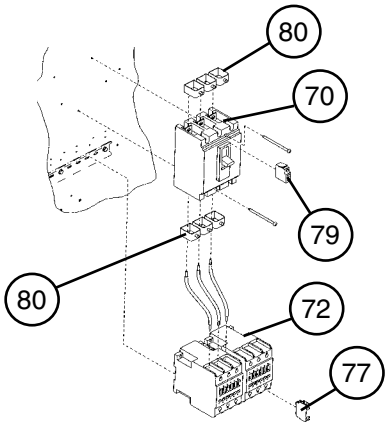

**MMP & Contactor Link Detail**
**MMP p/n 349934109**




**MMP & Contactor Link Detail**
**MMP p/n 3499340****




**MMP & Contactor Link Detail**
**MMP p/n 349934105,06,07,08**



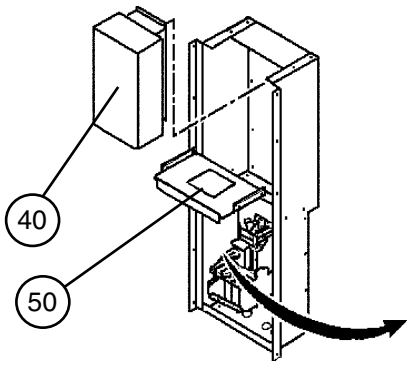

**MMP & Contactor Link Detail**
**MMP p/n 349938606**

# Section F- Supply Air Section
## Inverter Bypass Control Box
## 12/06 & Earlier
## Motor HP 7.5- 25 (Code 22 OR Code 32= K**, L**, M**, N**, P**)
## Components

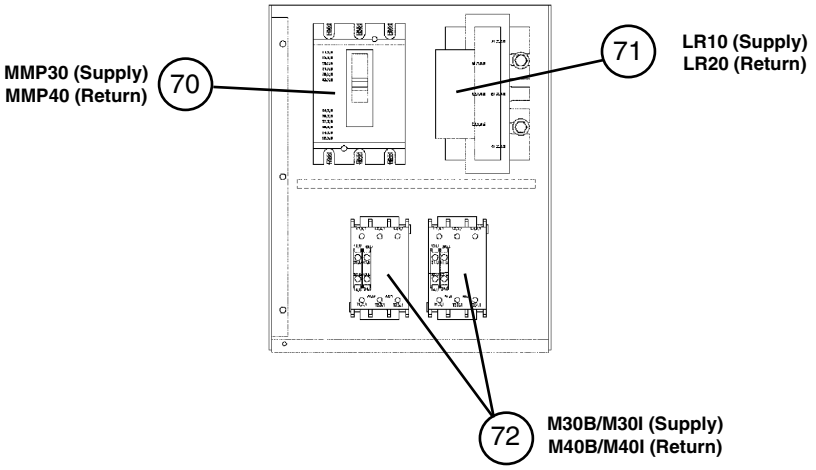
| Ref. No. | Sch. Sym. | Part Description | Part Number | Motor Horsepower | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 7.5 | | | | 10 | | | | 15 | | | | 20 | | | | 25 | | | |
| | | | | 208V | 230V | 460V | 575V | 208V | 230V | 460V | 575V | 208V | 230V | 460V | 575V | 208V | 230V | 460V | 575V | 208V | 230V | 460V | 575V |
| 40 | AFD10,20 | Inverter- see Inverter section | | | | | | | | | | | | | | | | | | | | | |
| 50 | | Gasket | 055940207 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 70 | MMP30,40 | Motor Control | 300041316 | | | | 1 | | | | | | | | | | | | | | | | |
| | | | 349934011 | | | 1 | | | | | 1 | | | | | | | | | | | | |
| | | | 300041318 | | | | | | | 1 | | | | | | | | | | | | | |
| | | | 300041319 | | | | | | | | | | | | 1 | | | | | | | | |
| | | | 300041320 | | 1 | | | | | | | | | 1 | | | | | | | | | |
| | | | 349934105 | 1 | | | | | | | | | | | | | | | 1 | | | | |
| | | | 349934106 | | | | | 1 | 1 | | | | | | | | | 1 | | | | | 1 |
| | | | 300043300 | | | | | | | | | | | | | | | | | | | 1 | |
| | | | 300041328 | | | | | | | | | 1 | 1 | | | | | | | | | | |
| | | | 349934109 | | | | | | | | | | | | | 1 | 1 | | | | 1 | | |
| | | | 349938606 | | | | | | | | | | | | | | | | | 1 | | | |
| 71 | LR10, 20 | Line Reactor- see page after Inverters | | | | | | | | | | | | | | | | | | | | | |
| 72 | M30B, I | Contactor | 300041395 | | | 1 | 1 | | | | 1 | | | | | | | | | | | | |
| | M40B, I | | 300043340 | | | | | | | 1 | | | | | | | | | | | | | |
| | | | 349933301 | | 1 | | | | | | | | | 1 | 1 | | | | | | | | |
| | | | 349933401 | 1 | | | | | | | | | | | | | | | | | | | |
| | | | 349933501 | | | | | 1 | 1 | | | 1 | 1 | | | | | 1 | 1 | | | 1 | 1 |
| | | | 349933601 | | | | | | | | | | | | | 1 | 1 | | | 1 | 1 | | |
| 73 | | Alarm- Short Circuit | 300041298 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 |
| 74 | | Alarm/Aux. Contact | 349933902 | | 1 | 1 | 1 | | | 1 | 1 | | | 1 | 1 | | | | | | | | |
| 75 | | Line Shield | 349933001 | | 1 | 1 | 1 | | | 1 | 1 | | | 1 | 1 | | | | | | | | |
| 76 | | Cover- Contactor | 349932801 | | | 2 | 2 | | | | 2 | | | | | | | | | | | | |
| | | | 349932802 | | | | | | | 2 | | | | | | | | | | | | | |
| | | | 349932803 | | 2 | | | | | | | | | 2 | 2 | | | | | | | | |
| | | | 349932804 | 2 | | | | | | | | | | | | | | | | | | | |
| | | | 349932805 | | | | | 2 | 2 | | | 2 | 2 | | | | | 2 | 2 | | | 2 | 2 |
| 77 | | Aux. Contact Block | 349933804 | 1 | | | | 1 | 1 | | | 1 | 1 | | | 1 | 1 | 1 | 1 | | 1 | 1 | 1 |
| 78 | | Link Module | 349932902 | | | 1 | 1 | | | | 1 | | | | | | | | | | | | |
| | | | 349932903 | | | | | | | 1 | | | | | | | | | | | | | |
| | | | 300041308 | | 1 | | | | | | | | | 1 | 1 | | | | | | | | |
| | | | 349932906 | 1 | | | | | | | | | | | | | | | | | | | |
| | | | 349932907 | | | | | 1 | 1 | | | 1 | 1 | | | | | 1 | 1 | | | 1 | 1 |
| 79 | | Aux. Contact | 349938701 | | | | | | | | | | | | | | | | | 1 | | | |
| 80 | | Lug | 349938801 | | | | | | | | | | | | | | | | | 6 | | | |

# Section F- Supply Air Section

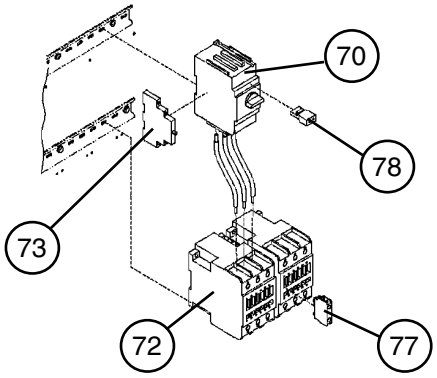
## Inverter Bypass Control Box
## 12/06 & Earlier
## Motor HP 30- 75 (Code 22= Q**, R**, S**, T**
## OR Code 32= Q**, R**, S**, T**, U**)
## Diagrams



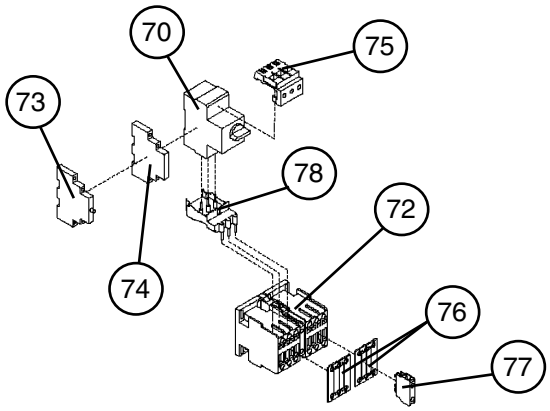

**Supply Air or Return Air Fan Inverter w/Bypass Control Box.**
**(Code 14= 3, 5, 8)**
(Two boxes installed if Code 14= 5)



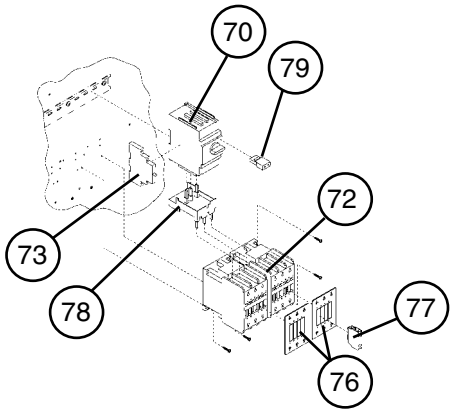

**Bypass Controls Detail**



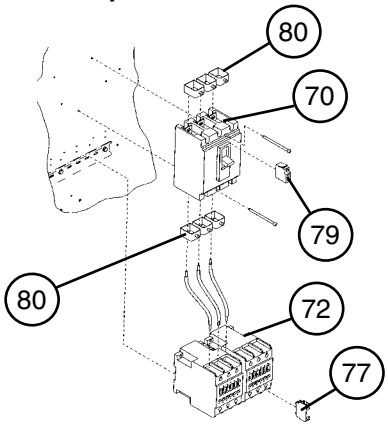

**MMP & Contactor Link Detail**
**MMP p/n 300041328, 09**




**MMP & Contactor Link Detail**
**MMP p/n 3499340****




**MMP & Contactor Link Detail**
**MMP p/n 300043300**



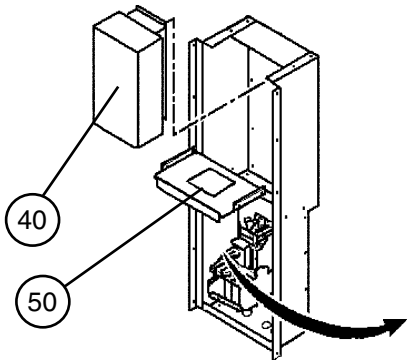

**MMP & Contactor Link Detail**
**MMP p/n 349938606, 07**

# Section F- Supply Air Section
## Inverter Bypass Control Box
## 12/06 & Earlier
## Motor HP 30- 75 (Code 22= Q**, R**, S**, T**
## OR Code 32= Q**, R**, S**, T**, U**)
## Components

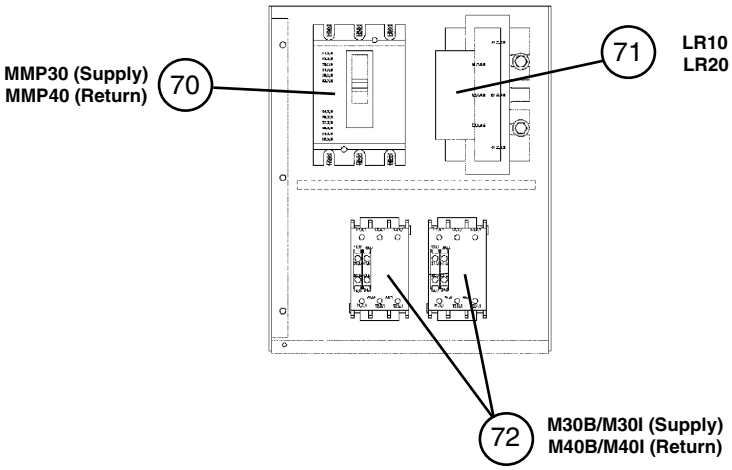
| Ref. No. | Sch. Sym. | Part Description | Part Number | Motor Horsepower | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 30 | | | | 40 | | | | 50 | | | | 60 | | | | 75 | | | |
| | | | | 208V | 230V | 460V | 575V | 208V | 230V | 460V | 575V | 208V | 230V | 460V | 575V | 208V | 230V | 460V | 575V | 208V | 230V | 460V | 575V |
| 40 | AFD10,20 | Inverter- see Inverter section | | | | | | | | | | | | | | | | | | | | | |
| 50 | | Gasket | 055940207 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | 1 | 1 | | | 1 | 1 | | | 1 | 1 |
| 70 | MMP30 | Motor Control | 300043300 | | | 1 | 1 | | | | 1 | | | | | | | | | | | | |
| | MMP40 | | 300041328 | | | | | | | | | | | | 1 | | | | | | | | |
| | | | 349934109 | | | | | | | 1 | | | | 1 | | | | | 1 | | | | |
| | | | 349938606 | 1 | 1 | | | | | | | | | | | | | 1 | | | | 1 | |
| | | | 349938607 | | | | | 1 | 1 | | | | | | | | | | | | | | |
| 71 | LR10, 20 | Line Reactor- see page after Inverters | | | | | | | | | | | | | | | | | | | | | |
| 72 | M30B, I | Contactor | 349933501 | | | | 1 | | | | | | | | | | | | | | | | |
| | M40B, I | | 349933502 | | | 1 | | | | | 1 | | | | | | | | | | | | |
| | | | 349933601 | | 1 | | | | | 1 | | | | 1 | 1 | | | 1 | | | | | |
| | | | 349933602 | 1 | | | | | 1 | | | | | | | | | | 1 | | | 1 | |
| | | | 349933701 | | | | | 1 | | | | | | | | | | | | | | | |
| 73 | | Alarm- Short Circuit | 300041298 | | | 1 | 1 | | | 1 | 1 | | | 1 | 1 | | | | 1 | | | | |
| 76 | | Cover- Contactor | 349932805 | | | 1 | 1 | | | | 1 | | | | | | | | | | | | |
| 77 | | Aux. Contact Block | 349933804 | | | 1 | 1 | | | 1 | 1 | | | 1 | 1 | | | | 1 | | | | |
| 78 | | Link Module | 349932907 | | | 1 | 1 | | | | 1 | | | | | | | | | | | | |
| 79 | | Aux. Contact | 349938701 | 1 | 1 | | | 1 | 1 | | | | | | | | | 1 | | | | 1 | |
| 80 | | Lug | 349938801 | 6 | 6 | | | 3[1] | 3[1] | | | | | | | | | 6 | | | | 6 | |

[1] Also requires 3 field supplied ring terminals.

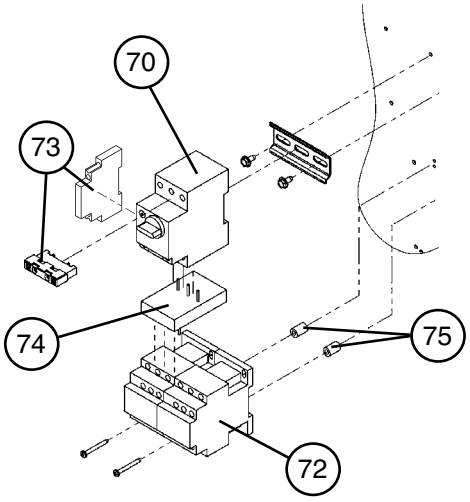
# Section F- Supply Air Section
## Inverter Bypass Control Box
## 1/07 thru 5/13
## Motor HP 5 (Code 22 OR Code 32= J**)




**Supply Air or Return Air Fan Inverter w/Bypass Control Box.**
**(Code 14= 3, 5, 8)**
(Two boxes installed if Code 14= 5)




**Bypass Controls Detail**

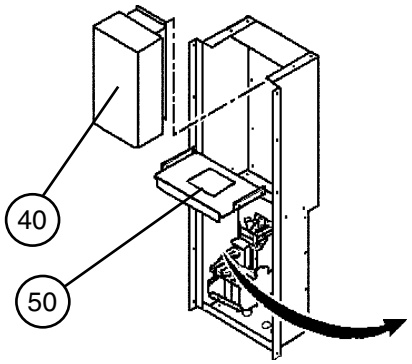



**MMP & Contactor Link Detail**

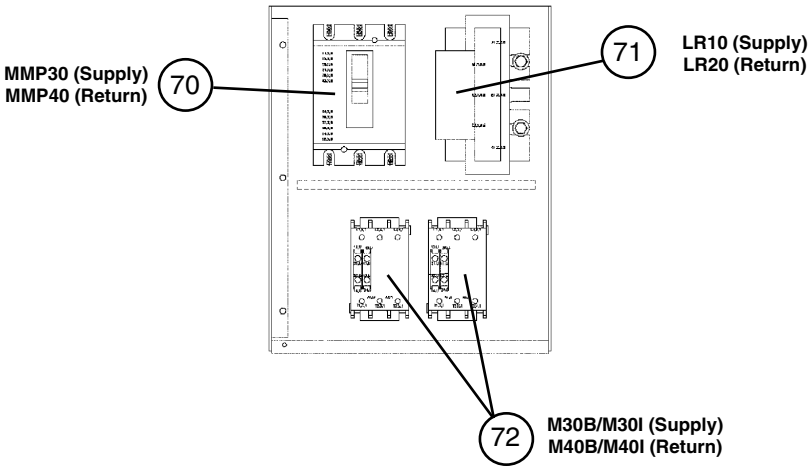
| Ref. No. | Sch. Sym. | Part Description | Part Number | Motor HP 5 208V | 230V | 460V | 575V |
|---|---|---|---|---|---|---|---|
| 40 | AFD10, 20 | Inverter- see Inverter section | | | | | |
| 50 | | Gasket | 055940207 | 1 | 1 | 1 | 1 |
| 70 | MMP30, 40 | Motor Control | 349934049 | | | | 1 |
| | | | 349934050 | | | 1 | |
| | | | 349934052 | 1 | 1 | | |
| 71 | LR10, 20 | Line Reactor- see page after Inverters | | | | | |
| 72 | M30B, I | Contactor | 349933121 | | | 1 | 1 |
| | M40B, I | | 349933123 | 1 | 1 | | |
| 73 | | Contact- Auxiliary [1] | 349933922 | 1 | 1 | 1 | 1 |
| | | Contact- Auxiliary [2] | 349933821 | 1 | 1 | 1 | 1 |
| 74 | | Link | 349932922 | 1 | 1 | 1 | 1 |
| 75 | | Spacer | 349906501 | 2 | 2 | 2 | 2 |

[1] Side Mounted, 1 NO/1 NC. Until 10/07.
[2] Front Mounted, 1 NO OR NC. 10/07 & Later.

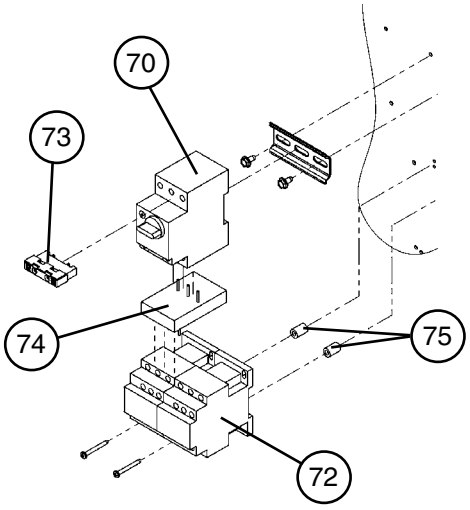
# Section F- Supply Air Section
## Inverter Bypass Control Box
## 1/07 thru 5/13
## Motor HP 7.5- 25 (Code 22 OR Code 32= K**, L**, M**, N**, P**)
## Diagrams



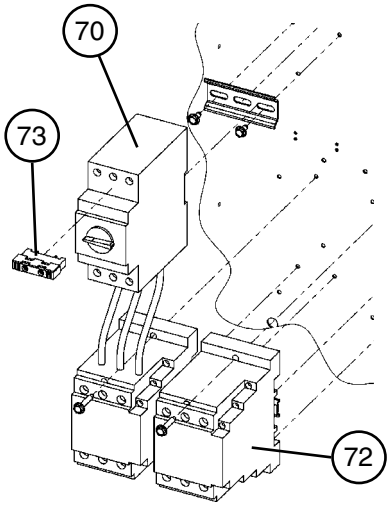

**Supply Air or Return Air Fan Inverter w/Bypass Control Box.**
**(Code 14= 3, 5, 8)**
(Two boxes installed if Code 14= 5)



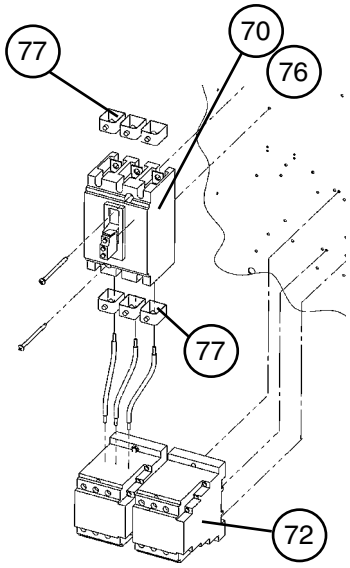

**Bypass Controls Detail**




**MMP & Contactor Link Detail**
**MMP p/n 3499340****




**MMP & Contactor Link Detail**
**MMP p/n 349934148, 349934149**



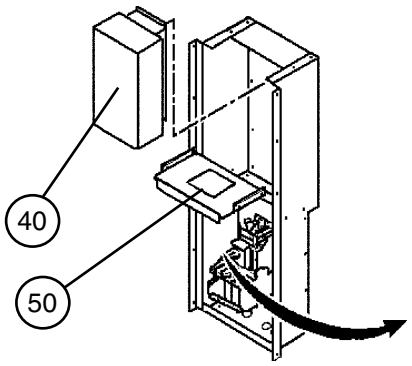

**MMP & Contactor Link Detail**
**MMP p/n 349938606**

# Section F- Supply Air Section
## Inverter Bypass Control Box
## 1/07 thru 5/13
## Motor HP 7.5- 25 (Code 22 OR Code 32= K**, L**, M**, N**, P**)
## Components

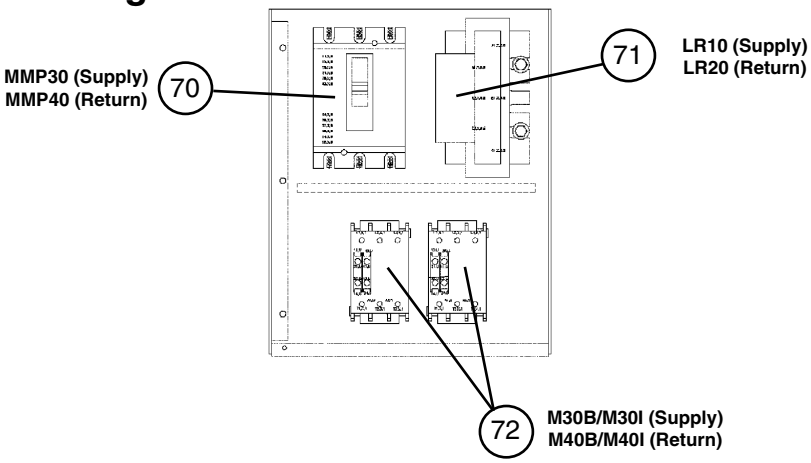
| Ref. No. | Sch. Sym. | Part Description | Part Number | Motor Horsepower | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 7.5 | | | | 10 | | | | 15 | | | | 20 | | | | 25 | | | |
| | | | | 208V | 230V | 460V | 575V | 208V | 230V | 460V | 575V | 208V | 230V | 460V | 575V | 208V | 230V | 460V | 575V | 208V | 230V | 460V | 575V |
| 40 | AFD10, 20 | Inverter- see Inverter section | | | | | | | | | | | | | | | | | | | | | |
| 50 | | Gasket | 055940207 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 70 | MMP30, 40 | Motor Control | 349934050 | | | | 1 | | | | | | | | | | | | | | | | |
| | | | 349934051 | | | 1 | | | | | 1 | | | | | | | | | | | | |
| | | | 349934052 | | | | | | | 1 | | | | | 1 | | | | | | | | |
| | | | 349934053 | | 1 | | | | | | | | | 1 | | | | | 1 | | | | |
| | | | 349934054 | 1 | | | | | | | | | | | | | | | | | | | 1 |
| | | | 349934055 | | | | | | 1 | | | | | | | | | 1 | | | | | |
| | | | 349934147 | | | | | 1 | | | | | | | | | | | | | | 1 | |
| | | | 349934148 | | | | | | | | | 1 | 1 | | | | | | | | | | |
| | | | 349934149 | | | | | | | | | | | | | 1 | 1 | | | | 1 | | |
| | | | 349938606 | | | | | | | | | | | | | | | | | 1 | | | |
| 71 | LR10, 20 | Line Reactor- see page after Inverters | | | | | | | | | | | | | | | | | | | | | |
| 72 | M30B, I | Contactor | 349933121 | | | | 1 | | | | | | | | | | | | | | | | |
| | M40B, I | | 349933122 | | | 1 | | | | | 1 | | | | | | | | | | | | |
| | | | 349933123 | | | | | | | 1 | | | | | 1 | | | | | | | | |
| | | | 349933321 | 1 | 1 | | | | | | | | | 1 | | | | | 1 | | | | |
| | | | 349933322 | | | | | | 1 | | | | | | | | | 1 | | | | | 1 |
| | | | 349933521 | | | | | 1 | | | | | | | | | | | | | | 1 | |
| | | | 349933522 | | | | | | | | | 1 | 1 | | | | | | | | | | |
| | | | 349933523 | | | | | | | | | | | | | 1 | 1 | | | | | | |
| | | | 349933621 | | | | | | | | | | | | | | | | | 1 | 1 | | |
| 73 | | Contact- Auxiliary | 349933821 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 74 | | Link | 349932922 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | 1 | 1 | | | 1 | 1 | | | | 1 |
| 75 | | Spacer | 349906501 | 2 | 2 | 2 | 2 | | 2 | 2 | 2 | | | 2 | 2 | | | 2 | 2 | | | | 2 |
| 76 | | Interlock- Trip | 349938701 | | | | | | | | | | | | | | | | | 1 | | | |
| 77 | | Lug Kit (3 per kit) | 349938801 | | | | | | | | | | | | | | | | | 2 | | | |

# Section F- Supply Air Section

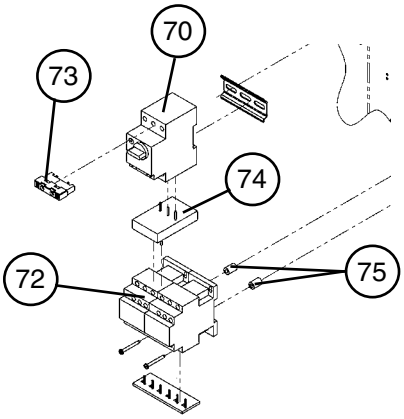
## Inverter Bypass Control Box
## 1/07 thru 5/13
## Motor HP 30- 75 (Code 22= Q**, R**, S**, T**
## OR Code 32= Q**, R**, S**, T**, U**)
## Diagrams



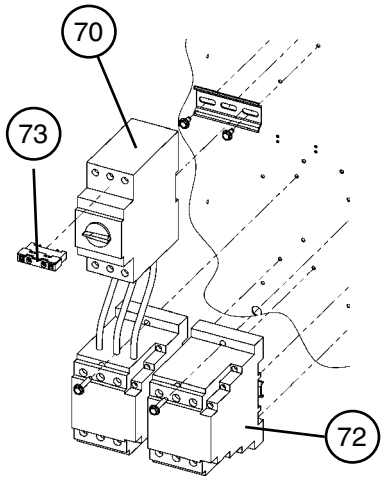

**Supply Air or Return Air Fan Inverter w/Bypass Control Box.**
**(Code 14= 3, 5, 8)**
(Two boxes installed if Code 14= 5)



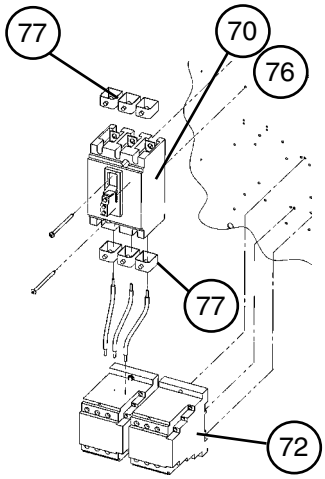

**Bypass Controls Detail**



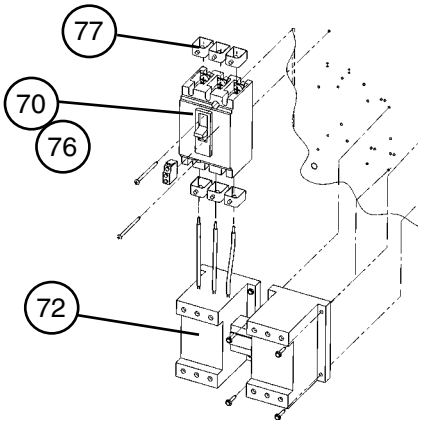

**MMP & Contactor Link Detail**
**MMP p/n 349934055**




**MMP & Contactor Link Detail**
**MMP p/n 349934147, 48, 49**




**MMP & Contactor Link Detail**
**MMP p/n 349938606**



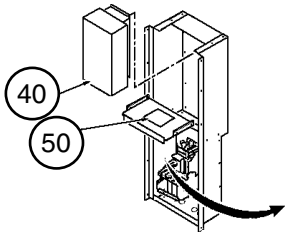

**MMP & Contactor Link Detail**
**MMP p/n 349938607**

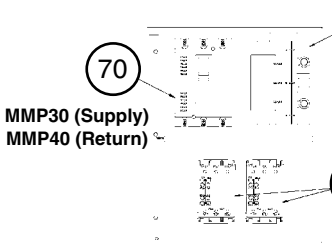
# Section F- Supply Air Section
## Inverter Bypass Control Box
## 1/07 thru 5/13
## Motor HP 30- 75 (Code 22= Q**, R**, S**, T**
## OR Code 32= Q**, R**, S**, T**, U**)
## Components

| Ref. No. | Sch. Sym. | Part Description | Part Number | Motor Horsepower | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 30 | | | | 40 | | | | 50 | | | | 60 | | | | 75 | | | |
| | | | | 208V | 230V | 460V | 575V | 208V | 230V | 460V | 575V | 208V | 230V | 460V | 575V | 208V | 230V | 460V | 575V | 208V | 230V | 460V | 575V |
| 40 | AFD10, 20 | Inverter- see page after Inverters | | | | | | | | | | | | | | | | | | | | | |
| 50 | | Gasket | 055940207 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | 1 | 1 | | | 1 | 1 | | | 1 | |
| 70 | MMP30 | Motor Control | 349934055 | | | | 1 | | | | | | | | | | | | | | | | |
| | MMP40 | | 349934147 | | | 1 | | | | | | | | | | | | | | | | | |
| | | | 349934148 | | | | | | | | 1 | | | | | | | | | | | | |
| | | | 349934149 | | | | | | | 1 | | | | 1 | 1 | | | | 1 | | | | |
| | | | 349938606 | 1 | 1 | | | | | | | | | | | | | 1 | | | | 1 | |
| | | | 349938607 | | | | | 1 | 1 | | | | | | | | | | | | | | |
| 71 | LR10, 20 | Line Reactor- see page after Inverters | | | | | | | | | | | | | | | | | | | | | |
| 72 | M30B, I | Contactor | 349933322 | | | | 1 | | | | | | | | | | | | | | | | |
| | M40B, I | | 349933521 | | | 1 | | | | | | | | | | | | | | | | | |
| | | | 349933522 | | | | | | | 1 | 1 | | | | | | | | | | | | |
| | | | 349933523 | | | | | | | | | | | 1 | 1 | | | | | | | | |
| | | | 349933621 | | 1 | | | | | | | | | | | | | 1 | 1 | | | | |
| | | | 349933721 | 1 | | | | | 1 | | | | | | | | | | | | | 1 | |
| | | | 349933722 | | | | | 1 | | | | | | | | | | | | | | | |
| | 73 | Contact- Auxiliary | 349933804 | | | 1 | | | | 1 | 1 | | | 1 | 1 | | | | 1 | | | | |
| | | Contact- Auxiliary | 349933821 | | | | 1 | | | | | | | | | | | | | | | | |
| | 74 | Link | 349932922 | | | | 1 | | | | | | | | | | | | | | | | |
| | 75 | Spacer | 349906501 | | | | 2 | | | | | | | | | | | | | | | | |
| 76 | | Interlock- Trip | 349938701 | 1 | 1 | | | 1 | 1 | | | | | | | | | 1 | | | | 1 | |
| 77 | | Lug Kit (3 per kit) | 349938801 | 2 | 2 | | | 1[1] | 1[1] | | | | | | | | | 2 | | | | 2 | |

[1] Also requires 3 field supplied ring terminals.

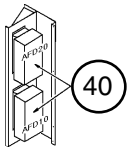
# Section F- Supply Air Section
## Inverter Bypass Control Box
## 6/13 & Later
## Motor HP 5 (Code 22= J** OR Code 32= J**)



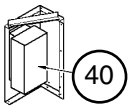




**Bypass Controls Detail**

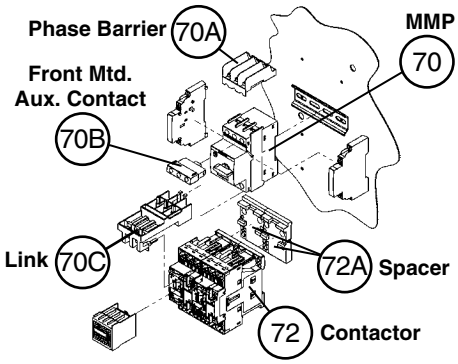
**Supply Air or Return Air Fan Inverter w/ Bypass Control Box shown. (Code 14= 3, 5, 8)**
**Two boxes installed if Code 14= 5**



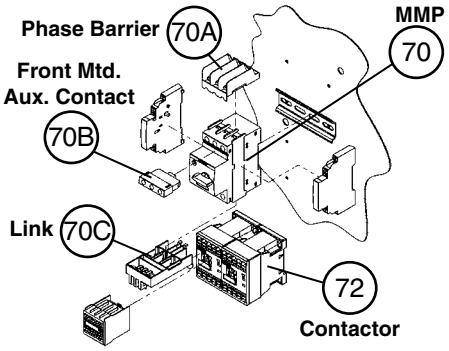

**Supply Air and Return Air Fan Inverter without Bypass. (Code 14= 7)**




**Supply Air or Return Air Fan Inverter without Bypass. (Code 14= 6, 7, 9)**




**MMP30/40 & M30/40 Link Detail**
**5 HP Motors- 208/230V**




**MMP30/40 & M30/40 Link Detail**
**5 HP Motors- 460/575V**

| Ref No. | Sch. Sym. | Part Description | Part Number | Motor HP 5 208V | 230V | 460V | 575V |
|---|---|---|---|---|---|---|---|
| 40 | VFD10, 20 | Inverter- see Inverter section | | | | | |
| | | | | | | | |
| 50 | | Gasket | 055940207 | 1 | 1 | 1 | 1 |
| | | | | | | | |
| 70 | MMP30, 40 | Motor Protector | 193542912 | | | 1 | 1 |
| | | | 193543009 | 1 | 1 | | |
| 70A | | Phase Barrier | 193545501 | 1 | 1 | 1 | 1 |
| 70B | | Aux. Contact | 193543801 | 1 | 1 | 1 | |
| 70C | | Link | 193546001 | 1 | 1 | | |
| | | | | | | | |
| 71 | LR10, 20 | Line Reactor- see page after Inverters | | | | | |
| | | | | | | | |
| 72 | M30B, I | Contactor | 193592106 | | 1 | | |
| | M40B, I | | 193539105 | | | | 1 |
| | | | 193539106 | | | 1 | |
| | | | 193539304 | 1 | | | |
| 72A | | Spacer | 193545801 | 2 | 2 | | |

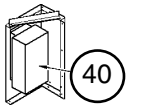
# Section F- Supply Air Section

## Inverter Bypass Control Box

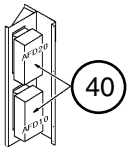
## 6/13 & Later

## Motor HP 7.5- 25 (Code 22 OR Code 32= K**, L**, M**, N**, P**)

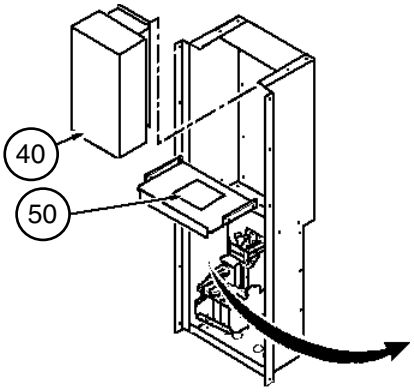
## Diagrams



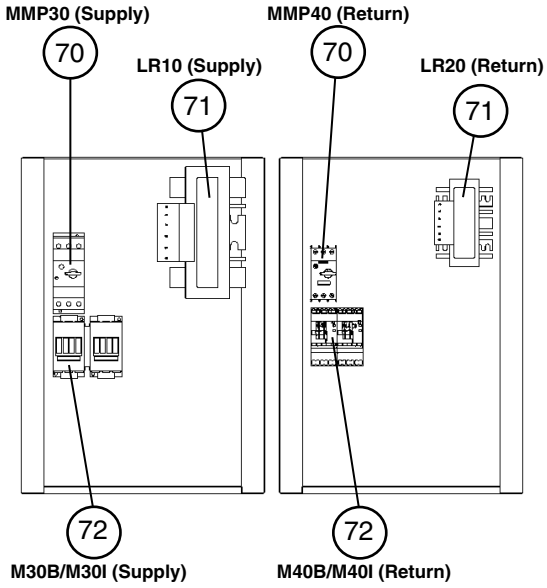

**Supply Air or Return Air Fan Inverter without Bypass. (Code 14= 7, 9)**



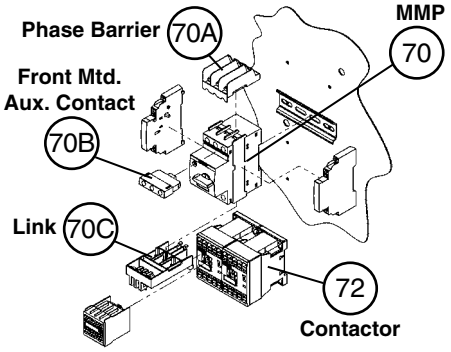

**Supply Air and Return Air Fan Inverter without Bypass. (Code 14= 7)**



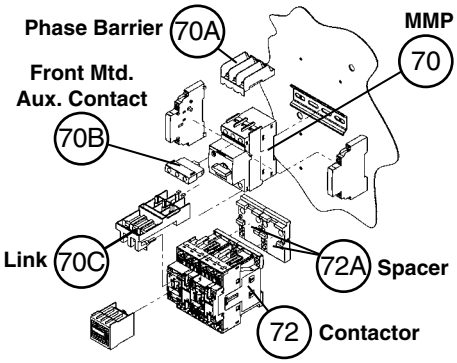

**Supply Air or Return Air Fan Inverter w/Bypass Control Box. (Code 14= 5, 8) Two boxes installed if Code14= 5**



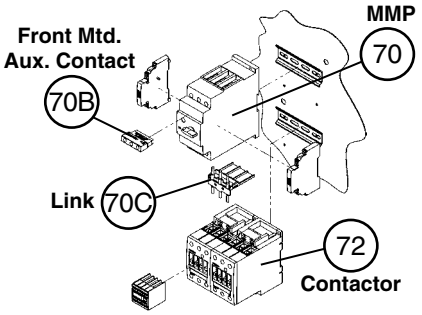

**Bypass Controls Detail**



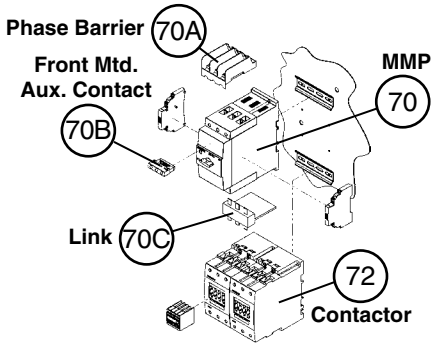

**MMP30/40 & M30/40 Link Detail**
**7.5 HP Motors- 575V**




**MMP30/40 & M30/40 Link Detail**
**7.5 HP Motors- 208/230/460V**
**10, 15 HP Motors- 460V**




**MMP30/40 & M30/40 Link Detail**
**10, 15 HP Motors- 208/230V**
**15, 20 HP Motors- 575V**
**20 HP Motors- 460V**
**25 HP Motors- 460/575V**



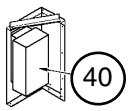

**MMP30/40 & M30/40 Link Detail**
**20, 25 HP Motors- 208/230V**

# Section F- Supply Air Section
## Inverter Bypass Control Box
## 6/13 & Later
## Motor HP 7.5- 25 (Code 22 OR Code 32= K**, L**, M**, N**, P**)
## Components

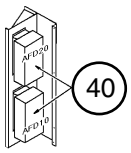
| Ref No. | Sch. Sym. | Part Description | Part Number | Motor Horsepower | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 7.5 | | | | 10 | | | | 15 | | | | 20 | | | | 25 | | | |
| | | | | 208V | 230V | 460V | 575V | 208V | 230V | 460V | 575V | 208V | 230V | 460V | 575V | 208V | 230V | 460V | 575V | 208V | 230V | 460V | 575V |
| 40 | AFD10, 20 | Inverter- see Inverter section | | | | | | | | | | | | | | | | | | | | | |
| 50 | | Gasket | 055940207 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 70 | MMP30 ,40 | Motor Protector | 193542913 | | | | 1 | | | | | | | | | | | | | | | | |
| | | | 193543008 | | | 1 | | | | | 1 | | | | | | | | | | | | |
| | | | 193543009 | | | | | | | 1 | | | | | | | | | | | | | |
| | | | 193543010 | | | | | | | | | | | 1 | | | | | | | | | |
| | | | 193543011 | | 1 | | | | | | | | | | | | | | | | | | |
| | | | 193543012 | 1 | | | | | | | | | | | | | | | | | | | |
| | | | 193543301 | | | | | | | | | | | | 1 | | | | | | | | |
| | | | 193543303 | | | | | | | | | | | | | | | | 1 | | | | |
| | | | 193543304 | | | | | 1 | 1 | | | | | | | | | 1 | | | | 1 | 1 |
| | | | 193543305 | | | | | | | | | | 1 | | | | | | | | | | |
| | | | 193543306 | | | | | | | | | 1 | | | | | | | | | | | |
| | | | 193543403 | | | | | | | | | | | | | 1 | 1 | | | | 1 | | |
| | | | 193543404 | | | | | | | | | | | | | | | | | 1 | | | |
| 70A | | Phase Barrier | 193545501 | 1 | 1 | 1 | 1 | | | 1 | 1 | | | 1 | | | | | | | | | |
| | | | 193547301 | | | | | | | | | | | | | 1 | 1 | | | 1 | 1 | | |
| 70B | | Contact- Auxiliary | 193543801 | 1 | 1 | 1 | 1 | | | 1 | 1 | | | 1 | | | | | | | | | |
| | | | 193546201 | | | | | 1 | 1 | | | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 70C | | Link | 193545901 | | | | 1 | | | | | | | | | | | | | | | | |
| | | | 193546001 | 1 | 1 | 1 | | | | 1 | 1 | | | 1 | | | | | | | | | |
| | | | 193547401 | | | | | 1 | 1 | | | 1 | 1 | | 1 | | | 1 | 1 | | | 1 | 1 |
| | | | 193547501 | | | | | | | | | | | | | 1 | 1 | | | 1 | 1 | | |
| 71 | LR10, 20 | Line Reactor- see page after Inverters | | | | | | | | | | | | | | | | | | | | | |
| 72 | M30B, I | | | | | | | | | | | | | | | | | | | | | | |
| | M40B, I | Contactor 9A | 193539106 | | | | 1 | | | | | | | | | | | | | | | | |
| | | 12A | 193592105 | | | 1 | | | | | 1 | | | | | | | | | | | | |
| | | 16A | 193592106 | | | | | | | 1 | | | | | | | | | | | | | |
| | | 25A | 193539304 | 1 | 1 | | | | | | | | | 1 | 1 | | | | 1 | | | | |
| | | 32A | 193539501 | | | | | 1 | 1 | | | | | | | | | 1 | | | | 1 | 1 |
| | | 50A | 193539502 | | | | | | | | | 1 | 1 | | | | | | | | | | |
| | | 65A | 193539601 | | | | | | | | | | | | | 1 | 1 | | | | | | |
| | | 80A | 193539602 | | | | | | | | | | | | | | | | | 1 | 1 | | |
| 72A | | Spacer | 193545801 | 2 | 2 | 2 | | | | 2 | 2 | | | 2 | | | | | | | | | |

# Section F- Supply Air Section

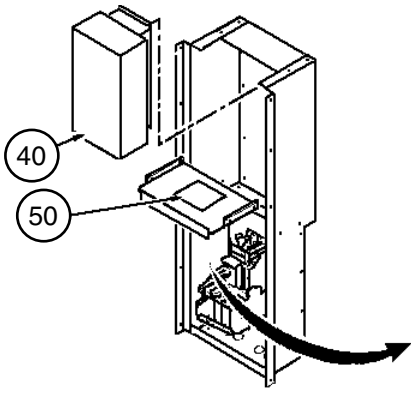
## Inverter Bypass Control Box
## 6/13 & Later
## Motor HP 30- 75 (Code 22= Q**, R**, S**, T**
## OR Code 32= Q**, R**, S**, T**, U**)
## Diagrams



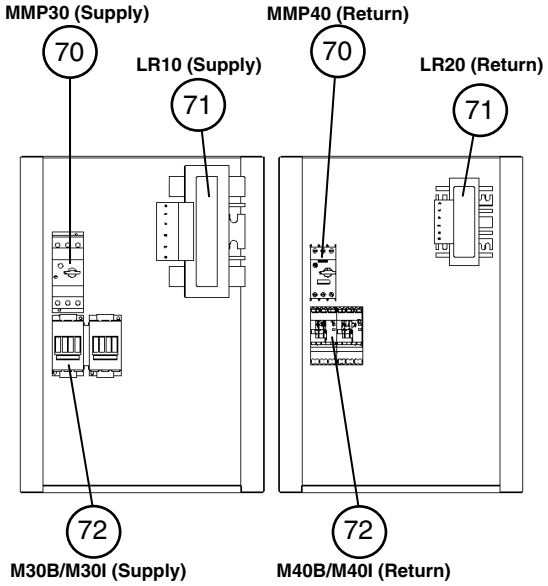

**Supply Air or Return Air Fan Inverter without Bypass. (Code 14= 7, 9)**



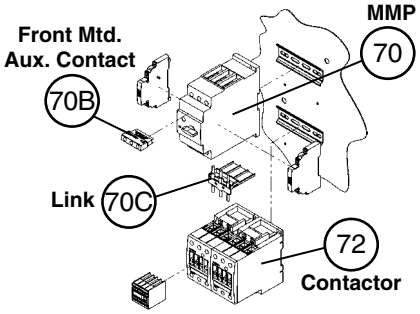

**Supply Air and Return Air Fan Inverter without Bypass. (Code 14= 7)**



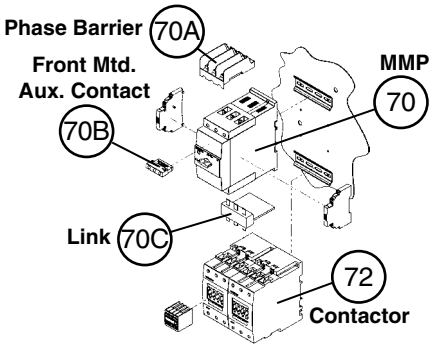

**Supply Air or Return Air Fan Inverter w/Bypass Control Box. (Code 14= 5, 8) Two boxes installed if Code14= 5**



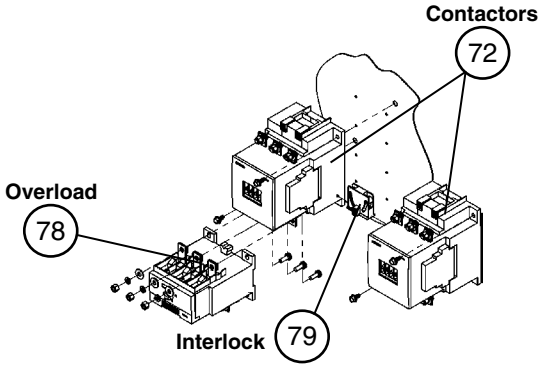

**Bypass Controls Detail**




**MMP30/40 & M30/40 Link Detail**
**30 HP Motors- 460/575V**
**40 HP Motors- 575V**




**MMP30/40 & M30/40 Link Detail**
**30 HP Motors- 208/230V**
**40 HP Motors- 460V**
**50, 60 HP Motors- 460/575V**
**75 HP Motors- 575V**



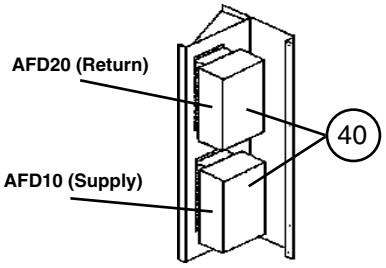

**MMP30/40 & M30/40 Link Detail**
**40, 50, 60 HP Motors- 208/230V**
**75 HP Motors- 208/230/460V**

# Section F- Supply Air Section
## Inverter Bypass Control Box
## 6/13 & Later
## Motor HP 30- 75 (Code 22= Q**, R**, S**, T**
## OR Code 32= Q**, R**, S**, T**, U**)
## Components

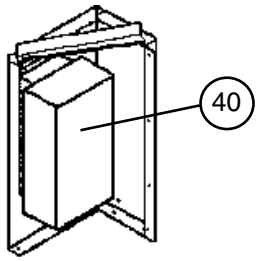
| Ref No. | Sch. Sym. | Part Description | Part Number | Motor Horsepower | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 30 | | | | 40 | | | | 50 | | | | 60 | | | | 75 | | | |
| | | | | 208V | 230V | 460V | 575V | 208V | 230V | 460V | 575V | 208V | 230V | 460V | 575V | 208V | 230V | 460V | 575V | 208V | 230V | 460V | 575V |
| 40 | AFD10,20 | Inverter- see next page | | | | | | | | | | | | | | | | | | | | | |
| 50 | | Gasket | 055940207 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | 1 | 1 | | | 1 | 1 | | | 1 | |
| 70 | MMP30 | Motor Protector | | | | | | | | | | | | | | | | | | | | | |
| | MMP40 | 70- 90A | 193543405 | 1 | 1 | | | | | | | | | | | | | | | | | | |
| | | 55- 75A | 193543404 | | | | | | | | | | | | | | | 1 | | | | | 1 |
| | | 45- 63A | 193543403 | | | | | | | | | | | 1 | | | | | 1 | | | | |
| | | 36- 50A | 193543402 | | | | | | | 1 | | | | | 1 | | | | | | | | |
| | | 28- 40A | 193543305 | | | 1 | | | | | 1 | | | | | | | | | | | | |
| | | 22- 32A | 193543304 | | | | 1 | | | | | | | | | | | | | | | | |
| 70A | | Phase Barrier | 193547301 | 1 | 1 | | | | | 1 | | | | 1 | 1 | | | 1 | 1 | | | | 1 |
| 70B | | Contact- Auxiliary | 193546201 | 1 | 1 | 1 | 1 | | | 1 | 1 | | | 1 | 1 | | | 1 | 1 | | | | 1 |
| 70C | | Link | 193547501 | 1 | 1 | | | | | 1 | | | | 1 | 1 | | | 1 | 1 | | | | 1 |
| | | | 193547401 | | | 1 | 1 | | | | 1 | | | | | | | | | | | | |
| 71 | LR10,20 | Line Reactor- see page after Inverters | | | | | | | | | | | | | | | | | | | | | |
| 72 | M30B, I | Contactor 225A | 193591902 | | | | | | | | | | | | | | | | | 2 | 2 | | |
| | M40B, I | Contactor 185A | 193591803 | | | | | | | | | | | | | 2 | 2 | | | | | | |
| | | 150A | 193591802 | | | | | | | | | 2 | 2 | | | | | | | | | | |
| | | 115A | 193591801 | | | | | 2 | 2 | | | | | | | | | | | | | 2 | |
| | | 95A | 193539603 | 1 | | | | | | | | | | | | | | | | | | | |
| | | 80A | 193539602 | | 1 | | | | | | | | | | | | | 1 | | | | | 1 |
| | | 65A | 193539601 | | | | | | | 1 | | | | 1 | 1 | | | | 1 | | | | |
| | | 50A | 193539502 | | | | | | | | 1 | | | | | | | | | | | | |
| | | 40A | 193539501 | | | 1 | 1 | | | | | | | | | | | | | | | | |
| 78 | OL30 | Overload 50- 250A | 099482801 | | | | | | | | | | | | | | | | | 1 | | | |
| | OL40 | Overload 50- 200A | 193549702 | | | | | 1 | | | | 1 | 1 | | | 1 | 1 | | | | 1 | | |
| | | 80- 100A | 193548608 | | | | | | 1 | | | | | | | | | | | | | 1 | |
| 79 | | Mechanical Interlink | 099482901 | | | | | | | | | | | | | | | | | 1 | 1 | | |
| | | Mechanical Interlink | 193582601 | | | | | 1 | 1 | | | 1 | 1 | | | 1 | 1 | | | | | 1 | |
| N/S | CB30,40 | Circuit Breaker 225A | 193550303 | | | | | | | | | | | | | 1 | 1 | | | 1 | 1 | | |
| | | Circuit Breaker 150A | 193550302 | | | | | 1 | 1 | | | 1 | 1 | | | | | | | | | 1 | |

N/S= Not Shown on Diagram.

# Section F- Supply Air Section
## Inverters




**Supply Air and Return Air Fan Inverter without Bypass (Code 14= 7)**




**Supply Air or Return Air Fan Inverter without Bypass (Code 14= 6, 7, 9)**

**AFD10/AFD20 Ref. No. 40**
**Code 15= R: Model VTAC9**

| Part Number | Motor Horsepower [1] | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5 | | 7.5 | | 10 | | 15 | | 20 | | 25 | | 30 | | 40 | | 50 | | 60 | | 75 | |
| | 208/230V | 460V | 208/230V | 460V | 208/230V | 460V | 208/230V | 460V | 208/230V | 460V | 208/230V | 460V | 208/230V | 460V | 208/230V | 460V | 208/230V | 460V | 208/230V | 460V | 208/230V | 460V |
| 098861468 | 1 | | | | | | | | | | | | | | | | | | | | | |
| 098861454 | | 1 | | | | | | | | | | | | | | | | | | | | |
| 098861469 | | | 1 | | | | | | | | | | | | | | | | | | | |
| 098861455 | | | | 1 | | | | | | | | | | | | | | | | | | |
| 098861470 | | | | | 1 | | | | | | | | | | | | | | | | | |
| 098861456 | | | | | | 1 | | | | | | | | | | | | | | | | |
| 098861457 | | | | | | | | 1 | | | | | | | | | | | | | | |
| 098861458 | | | | | | | | | | 1 | | | | | | | | | | | | |
| 098861459 | | | | | | | | | | | | 1 | | | | | | | | | | |
| 098861460 | | | | | | | | | | | | | | 1 | | | | | | | | |
| 098861461 | | | | | | | | | | | | | | | | 1 | | | | | | |
| 098861462 | | | | | | | | | | | | | | | | | | 1 | | | | |
| 098861463 | | | | | | | | | | | | | | | | | | | | 1 | | |
| 098861464 | | | | | | | | | | | | | | | | | | | | | | 1 |

[1] Note that 60 & 75 HP motors are not available in 208/230V (Code 09= 12, 29).

# Section F- Supply Air Section
## Inverters, Continued

**AFD10/AFD20 Ref. No. 40**
**Code 15= A: Model ACH550 [1]**

| Part Number | Motor Horsepower | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5 | | | 7.5 | | | 10 | | | 15 | | | 20 | | | 25 | | | 30 | | | 40 | | | 50 | | | 60 [2] | | | 75 [2] | | |
| | 208/230V | 460V | 575V | 208/230V | 460V | 575V | 208/230V | 460V | 575V | 208/230V | 460V | 575V | 208/230V | 460V | 575V | 208/230V | 460V | 575V | 208/230V | 460V | 575V | 208/230V | 460V | 575V | 208/230V | 460V | 575V | 208/230V | 460V | 575V | 208/230V | 460V | 575V |
| 112046015 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 112046002 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 112046027 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 112046016 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 112046003 | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 112046028 | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 112046017 | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 112046004 | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 112046029 | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| 112046018 | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 112046005 | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | |
| 112046030 | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| 112046019 | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | |
| 112046006 | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| 112046031 | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| 112046020 | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| 112046007 | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| 112046032 | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| 112046021 | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| 112046008 | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | |
| 112046033 | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | |
| 112046022 | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | |
| 112046009 | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | |
| 112046034 | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | |
| 112046023 | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | |
| 112046010 | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | |
| 112046035 | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | |
| 112046011 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | |
| 112046036 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | |
| 112046012 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |

[1] The replacement Keypad Display is p/n 300040924.
[2] Note that 60 & 75 HP motors are not available in 208/230V (Code 09= 12, 29).

# Section F- Supply Air Section
## Inverters, Continued

**AFD10/AFD20 Ref. No. 40**
**Code 15= G: Model 3500**

| Part Number | Motor Horsepower | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5 | | | | 7.5 | | | | 10 | | | | 15 | | | | 20 | | | | 25 | | | |
| | 208V | 230V | 460V | 575V | 208V | 230V | 460V | 575V | 208V | 230V | 460V | 575V | 208V | 230V | 460V | 575V | 208V | 230V | 460V | 575V | 208V | 230V | 460V | 575V |
| 098656916 | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 098656926 | | 1 | | | | | | | | | | | | | | | | | | | | | | |
| 098656903 | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| 098656943 | | | | 1 | | | | | | | | | | | | | | | | | | | | |
| 098656917 | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| 098656927 | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| 098656904 | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| 098656944 | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| 098656918 | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| 098656928 | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| 098656905 | | | | | | | | | | | 1 | | | | | | | | | | | | | |
| 098656945 | | | | | | | | | | | | 1 | | | | | | | | | | | | |
| 098656919 | | | | | | | | | | | | | 1 | | | | | | | | | | | |
| 098656929 | | | | | | | | | | | | | | 1 | | | | | | | | | | |
| 098656906 | | | | | | | | | | | | | | | 1 | | | | | | | | | |
| 098656946 | | | | | | | | | | | | | | | | 1 | | | | | | | | |
| 098656920 | | | | | | | | | | | | | | | | | 1 | | | | | | | |
| 098656930 | | | | | | | | | | | | | | | | | | 1 | | | | | | |
| 098656907 | | | | | | | | | | | | | | | | | | | 1 | | | | | |
| 098656947 | | | | | | | | | | | | | | | | | | | | 1 | | | | |
| 098656921 | | | | | | | | | | | | | | | | | | | | | 1 | | | |
| 098656931 | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 098656908 | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| 098656948 | | | | | | | | | | | | | | | | | | | | | | | | 1 |

| Part Number | Motor Horsepower | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 30 | | | | 40 | | | | 50 | | | | 60 [1] | | | | 75 [1] | | | |
| | 208V | 230V | 460V | 575V | 208V | 230V | 460V | 575V | 208V | 230V | 460V | 575V | 208V | 230V | 460V | 575V | 208V | 230V | 460V | 575V |
| 098656922 | 1 | | | | | | | | | | | | | | | | | | | |
| 098656932 | | 1 | | | | | | | | | | | | | | | | | | |
| 098656909 | | | 1 | | | | | | | | | | | | | | | | | |
| 098656949 | | | | 1 | | | | | | | | | | | | | | | | |
| 098656923 | | | | | 1 | | | | | | | | | | | | | | | |
| 098656933 | | | | | | 1 | | | | | | | | | | | | | | |
| 098656910 | | | | | | | 1 | | | | | | | | | | | | | |
| 098656953 | | | | | | | | 1 | | | | | | | | | | | | |
| 098656940 | | | | | | | | | 1 | | | | | | | | | | | |
| 098656911 | | | | | | | | | | | 1 | | | | | | | | | |
| 098656951 | | | | | | | | | | | | 1 | | | | | | | | |
| 098656912 | | | | | | | | | | | | | | | 1 | | | | | |
| 098656954 | | | | | | | | | | | | | | | | 1 | | | | |
| 098656913 | | | | | | | | | | | | | | | | | | | 1 | |

[1] Note that 60 & 75 HP motors are not available in 208/230V (Code 09= 12, 29).

# Section F- Supply Air Section
## Inverters, Continued

**AFD10/AFD20 Ref. No. 40**
**Code 15= S, Q: MD2, MD3, MD6**

| Part Number | Motor Horsepower | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5 | | | 7.5 | | | 10 | | | 15 | | | 20 | | | 25 | | | 30 | | | 40 | | | 50 | | | 60 [5] | | | 75 [5] | | |
| | 208/230V | 460V | 575V | 208/230V | 460V | 575V | 208/230V | 460V | 575V | 208/230V | 460V | 575V | 208/230V | 460V | 575V | 208/230V | 460V | 575V | 208/230V | 460V | 575V | 208/230V | 460V | 575V | 208/230V | 460V | 575V | 208/230V | 460V | 575V | 208/230V | 460V | 575V |
| 193475809 [1] | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 193475825 [1] | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 193456304 [2,4] | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 193475810 [1] | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 193475826 [1] | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 193456305 [2,4] | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 193475811 [1] | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 193475827 [1] | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 193456306 [2,4] | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| 193475812 [1] | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 193475828 [1] | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | |
| 193456307 [2,4] | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| 193475813 [1] | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | |
| 193475829 [1] | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| 193456308 [2,4] | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| 193475814 [1] | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| 193475830 [1] | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| 349956647 [3] | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| 193475815 [1] | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| 193475831 [1] | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | |
| 349956648 [3] | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | |
| 193475816 [1] | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | |
| 193475832 [1] | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | |
| 349956649 [3] | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | |
| 349956617 [3] | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | |
| 193475883 [1] | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | |
| 349956650 [3] | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | |
| 193475884 [3] | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | |
| 349956651 [3] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | |
| 193475885 [3] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | |
| 349956652 [3] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |

[1] Units built late 2010 & Earlier shipped with ATV21 VFDs. All ATV21 drives have been replaced with ATV212 drives as listed above. These new drives are drop in replacements with the exception of the Remote Keypad and Communication Cards. The ATV21 Remote Keypad is p/n 349958801. The ATV21 Lonworks communication card is p/n 349927103. The ATV212 Remote Keypad is p/n 349958805 and the Remote Keypad Mounting kit is p/n 349958803. The ATV212 Lonworks communication card is p/n 193482601. All other ATV212 communication cards are integral to the VFD and are not available separately. Note that 60 & 75 HP motors are not available in 208/230V (Code 09= 12, 29).

[2] MD3 Remote Keypad p/n is 349958802.

[3] MD6 Remote Keypad p/n is 349958805 plus Mount p/n 349958803.

[4] For 575V units with an MD3 Inverter and Motor under 25 HP a Line Reactor will be installed regardless of whether one is specified in Code 17 (see nomenclature page). See one page after next for Line Reactor part numbers.

[5] Note that 60 & 75 HP motors are not available in 208/230V (Code 09= 12, 29).

# Section F- Supply Air Section
## Inverters, Continued

**AFD10/AFD20 Ref. No. 40**
**Code 15= B: MD4, MD5 [1]**

| Part Number | Motor Horsepower | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5 | | | 7.5 | | | 10 | | | 15 | | | 20 | | | 25 | | | 30 | | | 40 | | | 50 | | | 60 [2] | | | 75 [2] | | |
| | 208/230V | 460V | 575V | 208/230V | 460V | 575V | 208/230V | 460V | 575V | 208/230V | 460V | 575V | 208/230V | 460V | 575V | 208/230V | 460V | 575V | 208/230V | 460V | 575V | 208/230V | 460V | 575V | 208/230V | 460V | 575V | 208/230V | 460V | 575V | 208/230V | 460V | 575V |
| 193552215 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 193552202 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 193552327 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 193552216 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 193552203 | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 193552328 | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 193552217 | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 193552204 | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 193552329 | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| 193552218 | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 193552205 | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | |
| 193552330 | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| 193552319 | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | |
| 193552206 | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| 193552331 | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| 193552320 | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| 193552207 | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| 193552332 | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| 193552321 | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| 193552208 | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | |
| 193552333 | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | |
| 193552322 | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | |
| 193552309 | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | |
| 193552334 | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | |
| 193552323 | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | |
| 193552310 | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | |
| 193552335 | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | |
| 193552311 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | |
| 193552336 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | |
| 193552312 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | |
| 193552337 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |

[1] The replacement VFD Keypad Display is p/n 300040924.
[2] Note that 60 & 75 HP motors are not available in 208/230V (Code 12= 12, 29).

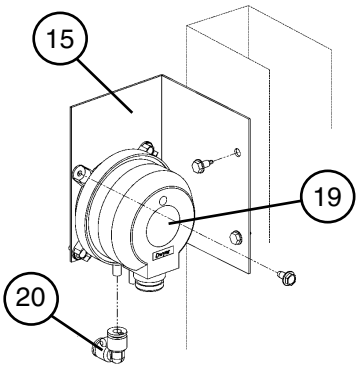
# Section F- Supply Air Section
## Line Reactors [1]

| Part Number | Motor Horsepower | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5 | | | 7.5 | | | 10 | | | 15 | | | 20 | | | 25 | | | 30 | | | 40 | | | 50 | | | 60 | | | 75 | | |
| | 208V/230V | 460V | 575V | 208V/230V | 460V | 575V | 208V/230V | 460V | 575V | 208V/230V | 460V | 575V | 208V/230V | 460V | 575V | 208V/230V | 460V | 575V | 208V/230V | 460V | 575V | 208V/230V | 460V | 575V | 208V/230V | 460V | 575V | 208V/230V | 460V | 575V | 208V/230V | 460V | 575V |
| 073323518 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 073323503 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 349964929[2] | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 073323519 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 073323504 | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 349964932[2] | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 073323520 | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 073323505 | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 349964927[2] | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| 073323511 | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 073323506 | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | |
| 349964930[2] | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| 073323534 | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | |
| 073323507 | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| 349964931[2] | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| 073323521 | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| 073323508 | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| 349964926[2] | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| 073323522 | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| 073323509 | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | |
| 349964954[2] | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | |
| 073323523 | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | |
| 073323509 | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | |
| 349964955[2] | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | |
| 073323535 | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | |
| 349964956[2] | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | |
| 073323510 | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | |
| 073323557 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | |
| 073323536 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | |
| 073323558 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | |

[1] Line Reactors are optional for all voltages and motor sizes except for MD3 575V Inverters (Code 15= S, Q ) 2- 20 HP. These will always have a Line Reactor installed regardless of Code 17.

[2] These are 5% impedance Line Reactors. Some units may have had 3% impedance Line Reactors installed. The 5% is to be used in place of the 3% Reactors. If replacing a 3% impedance Line Reactor, due to dimensional differences, minor field modifications may be required for proper installation.

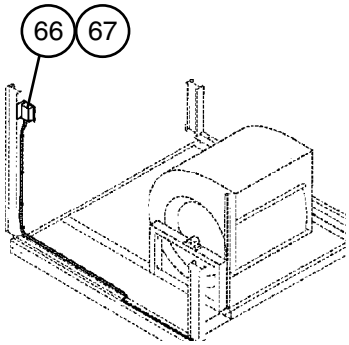
# Section F- Supply Air Section
## Section Mounted Controls
## PC7, HL22, LT10, S10, REC10, UV Lights




### PC7- Proof of Airflow Pressure Control

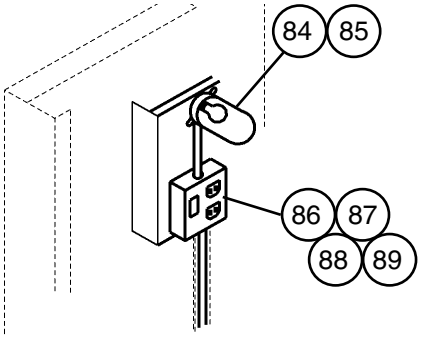
| Ref No. | Part Description | Part Number | Qty. |
|---|---|---|---|
| 15 | Bracket, | [1] | 1 |
| 19 | PC7 Pressure Control | [1] | 1 |
| 20 | Pneumatic Fitting | [1] | 1 |

[1] In 6/12 the design of PC7 was changed. Units equipped with the old style PC7 require Retrofit Kit 910122413 for proper installation as old and new parts are NOT interchangeable. The Switch only is p/n 910115489, the Pneumatic Fitting is p/n 910122414, and the Support Bracket is p/n 910122290.



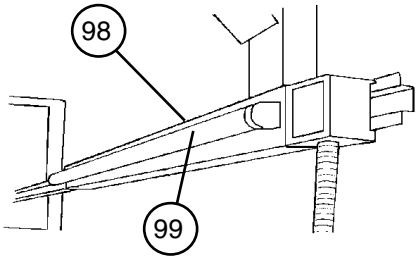

### HL22- Gas Heat Hi Limit Switch
### Code 04= A

| Ref. No. | Part Description | Part Number | Qty. |
|---|---|---|---|
| 66 | Support | 058379401 | 1 |
| 67 | T-stat- HL22 Hi Limit | 047938801 | 1 |




### LT10- Supply Fan Light/S10- Supply Fan Light Switch/REC10- Supply Fan Receptacle
### Code 49= B, E, F

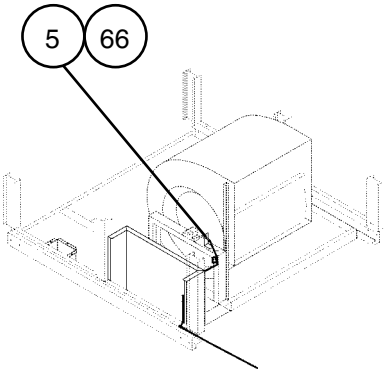
| Ref. No. | Part Description | Part Number | Qty. |
|---|---|---|---|
| 84 | Light Fixture | 042229500 | 1 |
| 85 | Bulb- LT10 | 065492402 | 1 |
| 86 | Junction Box | 065491901 | 1 |
| 87 | Junction Box Cover | 065492001 | 1 |
| 88 | Light Switch- S10 | 065492201 | 1 |
| 89 | Receptacle- REC10 | 030187000 | 1 |




### UV Lights
### Code 17= C1 thru C8 AND Y1 thru Y8

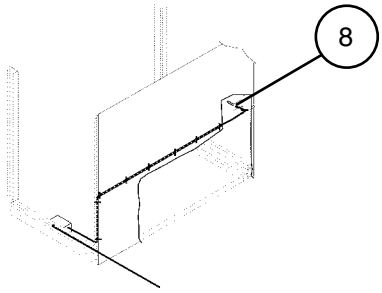
| Ref. No. | Part Description | Part Number | Qty. |
|---|---|---|---|
| 98 | Lamp Holder- 18” | 205484001 | 1 |
| | Lamp Holder- 24” | 205484101 | 1 |
| | Lamp Holder- 36” | 205484201 | 1 |
| 99 | Lamp- 18” | 205484501 | 1 |
| | Lamp- 24” | 205484601 | 1 |
| | Lamp- 36” | 205484701 | 1 |

# Section F- Supply Air Section
## Section Mounted Controls
## MAT, EFT, SAT, DAT, OAT, SD1



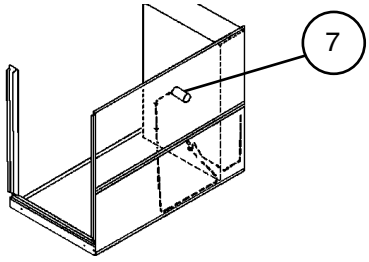

### Entering Fan Temperature Sensor- EFT

| Ref. No. | Part Description | Part Number | Qty. |
|---|---|---|---|
| 5 | EF Temp. Sensor | | |
| | MicroTech II | 060004705 | 1 |
| | MicroTech III | 193414602 | 1 |
| 66 | Support Bracket | 055732401 | 1 |



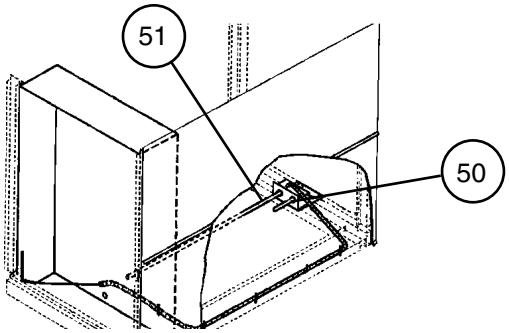

### Discharge Air Temperature Sensor- DAT

| Ref. No. | Part Description | Part Number | Qty. |
|---|---|---|---|
| 8 | DA Temp. Sensor | | |
| | MicroTech II | 060004705 | 1 |
| | MicroTech III | 193414602 | 1 |




### Outdoor Air Temperature Sensor- OAT

| Ref. No. | Part Description | Part Number | Qty. |
|---|---|---|---|
| 7 | OA Temp. Sensor | | |
| | MicroTech II | 060004705 | 1 |
| | MicroTech III | 193414602 | 1 |




### Smoke Detector- SD1

| Ref. No. | Part Description | Part Number | Qty. |
|---|---|---|---|
| 50 | Smoke Detector- SD1 | 098873101 | 1 |
| 51 | Sensing Tube [1] | 098872901 | 1 |

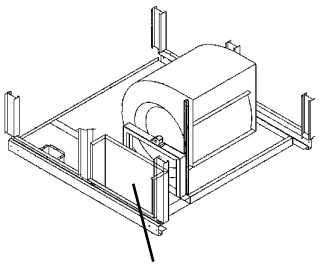
[1] For Standard Discharge applications. For other options, contact Daikin Applied with model and serial number information so that the correct part can be identified.

# Section F- Supply Air Section

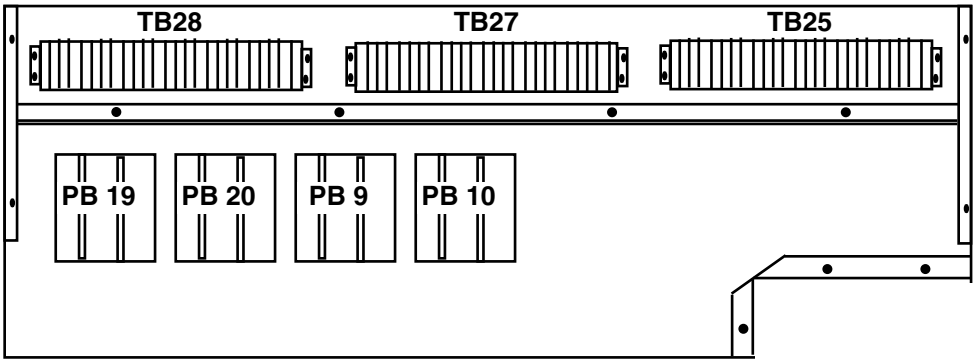
## Section Mounted Controls

## SCB- Split Junction Box, TB25, TB27, TB28, PB10, PB9, PB20, PB19

## Code 05= F



Typical Split Junction Box Location

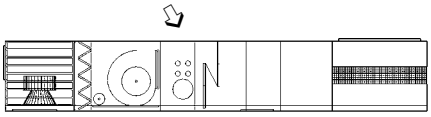



### Across- The- Line Start (Code 10= AL) [1]

| Sch. Sym. | Part Description | Part Number | Motor HP | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 2- 25 | | | | 30 | | | | 40, 50 | | | | 60- 75 | | | |
| | | | 208V | 230V | 460V | 575V | 208V | 230V | 460V | 575V | 208V | 230V | 460V | 575V | 208V | 230V | 460V | 575V |
| | **Terminal Blocks** | | | | | | | | | | | | | | | | | |
| TB25 | Terminal Block- SCB | 015998124 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| TB27 | Terminal Block- SCB | 015998130 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| TB28 | Terminal Block- SCB | 015998124 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| PB10 | Power Block- Supply Fan | | | | | | | | | | | | | | | | | |
| | 95A, 600V, 3P | 030372707 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | 1 | 1 |
| | 175A, 600V, 3P | 030372710 | | | | | | | | | | | | | 1 | 1 | | |
| PB9 | Power Block- Supply Fan | | | | | | | | | | | | | | | | | |
| | 95A, 600V, 3P | 030372707 | | | | | 1 | | | | | | | | | | 1 | 1 |
| PB20 | Power Block- Return Fan | | | | | | | | | | | | | | | | | |
| | 95A, 600V, 3P | 030372707 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | |
| PB19 | Power Block- Return Fan | | | | | | | | | | | | | | | | | |
| | 95A, 600V, 3P | 030372707 | | | | | 1 | | | | | | | | | | | |

[1] If Code 10= PW AND Code 05= F, contact Daikin Applied with model and serial number information so that the correct part(s) can be identified.

# Section G- Blow-Thru Heat Section for RPE Units
## Notes & Section Mounted Controls



## Notes

Primary Codes that pertain: 04, 34
Additional Codes that pertain: 06, 07, 08, 09, 12, 31

This section is divided into four subsections: 1. Blank Compartment; 2. HW/Steam Heat; 3. Electric Heat; and 4. Natural Gas Heat.

Code 04 determines what type of heat, if any, the unit employs, and Code 34 defines the Heat Section's characteristics. If Code 04= Y, AND Code 34= YYYYYY there is no section. See the ***Unit Model Number- Complete*** section at the beginning of this form for specific Heat Section coding. If Code 04= Y AND Code 34= BBBBBB, then there is a 48" Blank Spacer Section installed.

Code 06 determines the liners and insulation, and will affect the final assembly panels. **For sheet metal components that make up the RPE Blow-Thru Heat Section, contact Daikin Applied to ensure that correct liners, insulation and hardware are ordered. For Standard Door Latching Assemblies, see Section H- Blow-Thru Heat Blank Access Section.**

Code 07 is the Gas Heat Burner Approval Code and affects many of the parts in the Gas Heat Section depending on whether the unit is UL approved (USA) or ETL approved (Canada).

Code 08 determines which generation of controls are installed which determines which Electric Heat Controls are used.

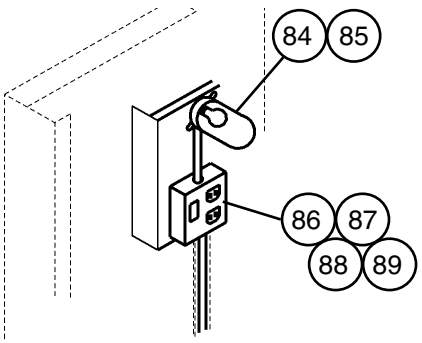
Code 09 determines the Unit Voltage, which will have an effect on the Electric Heaters and their Controls.

Code 12 determines the Control type and will affect the Gas Heat Actuator Motor.

Code 31 is the Supply Fan size which affects the Heat Section's Diffusers.

**Section G pertains to the RPE, but not the RDE.**

## Section Mounted Controls




**LT12- BT Heat Section Light/S12- BT Heat Section Light Switch/REC12- BT Heat Section Receptacle**

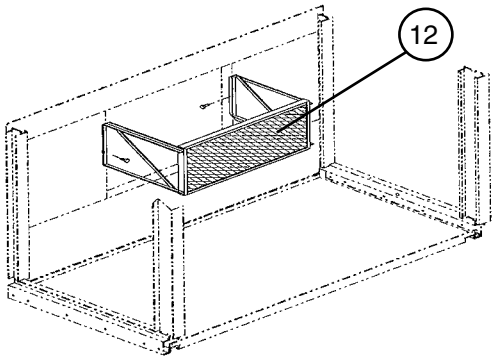
| Ref. No. | Part Description | Part Number | Qty. |
|---|---|---|---|
| 84 | Light Fixture | 042229500 | 1 |
| 85 | Bulb- LT12 | 065492402 | 1 |
| 86 | Junction Box | 065491901 | 1 |
| 87 | Junction Box Cover | 065492001 | 1 |
| 88 | Light Switch- S12 | 065492201 | 1 |
| 89 | Receptacle- REC12 | 030187000 | 1 |

# Section G- Blow-Thru Heat Section for RPE Units

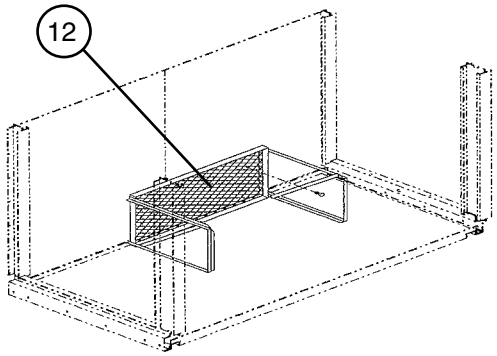
## Option 1: Blank Compartment

## Code 34= BBBBBB AND Code 04= Y

## Diffuser [1]




**Factory Mounted Diffuser**




**Field Mounted Diffuser (Split Unit)**

| Ref. No. | Part Description | Part Number | Qty. |
|---|---|---|---|
| 12 | Diffuser | | |
| | Code 31= 33** | 055988003 | 1 |
| | Code 31= 36** | 055988004 | 1 |
| | Code 31= 40** | 055988005 | 1 |

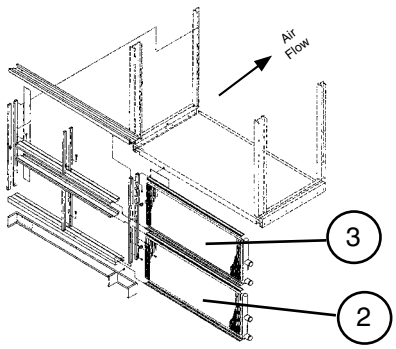
[1] The drawing above left shows a Diffuser factory mounted on a unit split at the condenser (Code 05= C), or not split (Code 05=Y). When a unit is split at the Supply Fan (Section F) and Heat Section (Section G) the Diffuser is packaged for field mounting as shown on the drawing on the right. The part numbers are the same in either case.

# Section G- Blow-Thru Heat Section for RPE Units

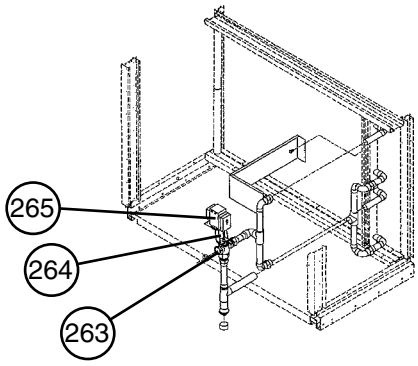
## Option 2: Hot Water & Steam Heat Coils, Mixing Valves, & Actuator VM1

## Code 34= W11***, W12***, W22***, OR S11***, S12***, S13***, S14*** [1]

### Coil Location




### Mixing Valve Detail




| Ref. No. | Sch. Sym. | Part Description | Code 34= | Coil Type | Coil Height | Part Number | Qty. |
|---|---|---|---|---|---|---|---|
| 2 | | Hot Water Heat Coil- Bottom | W11*** | 5WH0901H | 42” | 056053065 | 1 |
| | | Hot Water Heat Coil- Bottom | W22*** | 5WS0902C | 42” | 056053066 | 1 |
| 3 | | Hot Water Heat Coil- Top | W11*** | 5WH0901H | 39” | 056053045 | 1 |
| | | Hot Water Heat Coil- Top | W22*** | 5WS0902C | 39” | 056053046 | 1 |
| | | **Valve/Actuator 12/10 & Earlier** | | | | | |
| 263 | | Valve, 3 Way- Hot Water Heat | | | | | |
| | | 1.25” | W**E3* | ALL | ALL | 047936505 | 1 |
| | | 1.50” | W**F3* | ALL | ALL | 047936501 | 1 |
| | | 2.00” | W**G3* | ALL | ALL | 047936502 | 1 |
| | | 2.50” | W**H3* | ALL | ALL | 047936506 | 1 |
| | | 3.00” | W**J3* | ALL | ALL | 047936503 [2] | 1 |
| 264 | | Linkage- 1.25” thru 2.00” Valve | *****E | ALL | ALL | 049762401 | 1 |
| | | Linkage- 2.50”, 3.00” Valve | *****E | ALL | ALL | 049762403 | 1 |
| 265 | VM1 | Actuator, 120V | *****E | ALL | ALL | 059999804 | 1 |
| | | **Valve/Actuator 1/11 & Later** | | | | | |
| 263 | | Valve, 3 Way w/ Actuator- HW | | | | | |
| | | 1.25” | W**E3* | ALL | ALL | 113166703 | 1 |
| | | 1.50” | W**F3* | ALL | ALL | 113166704 | 1 |
| | | 2.00” | W**G3* | ALL | ALL | 113166705 | 1 |
| | | 2.50” | W**H3* | ALL | ALL | 113166706 | 1 |
| | | 3.00” | W**J3* | ALL | ALL | 113166707 | 1 |
| 265 | VM1 | Actuator only, 24V | *****E | ALL | ALL | 113149601 | 1 |

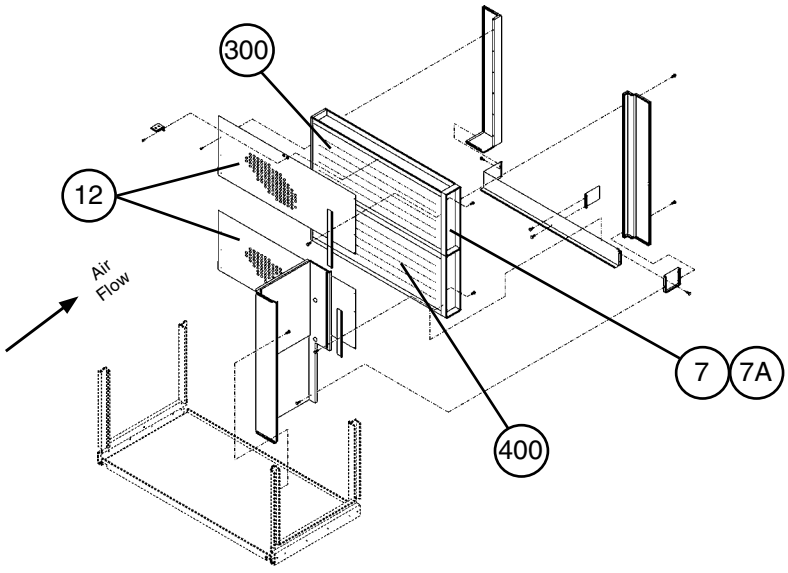
[1] For Steam Heat Coils and Components (Code 30= S*****) contact Daikin Applied with model and serial number information so that the correct part(s) can be identified.

[2] Hot Water Heat 3.00” valve has a flange gasket p/n: 031316000.

# Section G- Blow-Thru Heat Section for RPE Units

## Option 3: Electric Heat: Code 04= E AND Code 34= E*****

## Heaters, Hi Limit Cutouts, Diffusers




| Ref. No. | Sch. Sym. | Part Description | Total KW | Code 34= | Heater KW | Hi Limit Cutout with Auto and Manual Cutout [1] | Hi Limit Cutout with Auto Cutout Only [2] | Unit Voltage 208/230V | Unit Voltage 460V | Unit Voltage 575V |
|---|---|---|---|---|---|---|---|---|---|---|
| 300 | | Heater Assy- Top | 80 | E080 | 80 | 049269206 | 049269215 | 1 | | |
| | | Heater Assy- Top | 80 | E080 | 80 | 049269224 | 049269233 | | 1 | |
| | | Heater Assy- Top | 80 | E080 | 80 | N/A | 049269242 | | | 1 |
| | | Heater Assy- Top | 100 | E100 | 100 | 049269205 | 049269214 | 1 | | |
| | | Heater Assy- Top | 100 | E100 | 100 | 049269223 | 049269232 | | 1 | |
| | | Heater Assy- Top | 100 | E100 | 100 | N/A | 049269241 | | | 1 |
| | | Heater Assy- Top | 120 | E120 | 120 | 049269204 | 049269213 | 1 | | |
| | | Heater Assy- Top | 120 | E120 | 120 | 049269222 | 049269231 | | 1 | |
| | | Heater Assy- Top | 120 | E120 | 120 | N/A | 049269240 | | | 1 |
| | | Heater Assy- Top | 160 | E160 | 160 | 049269203 | 049269212 | 1 | | |
| | | Heater Assy- Top | 160 | E160 | 160 | 049269221 | 049269230 | | 1 | |
| | | Heater Assy- Top | 160 | E160 | 160 | N/A | 049269239 | | | 1 |
| | | Heater Assy- Top | 200 | E200 | 120 | 049269204 | 049269213 | 1 | | |
| | | Heater Assy- Top | 200 | E200 | 120 | 049269222 | 049269231 | | 1 | |
| | | Heater Assy- Top | 200 | E200 | 120 | N/A | 049269240 | | | 1 |
| | | Heater Assy- Top | 240 | E240 | 120 | 049269204 | 049269213 | 1 | | |
| | | Heater Assy- Top | 240 | E240 | 120 | 049269222 | 049269231 | | 1 | |
| | | Heater Assy- Top | 240 | E240 | 120 | N/A | 049269240 | | | 1 |
| | | Heater Assy- Top | 280 | E280 | 160 | 049269203 | 049269212 | 1 | | |
| | | Heater Assy- Top | 280 | E280 | 160 | 049269221 | 049269230 | | 1 | |
| | | Heater Assy- Top | 280 | E280 | 160 | N/A | 049269239 | | | 1 |
| | | Heater Assy- Top | 320 | E320 | 160 | 049269203 | 049269212 | 1 | | |
| | | Heater Assy- Top | 320 | E320 | 160 | 049269221 | 049269230 | | 1 | |
| | | Heater Assy- Top | 320 | E320 | 160 | N/A | 049269239 | | | 1 |

N/A= Not Applicable.

[1] Units ETL/MEA USA approval (Code 07= EY) or no approval (Code 07= YY). Heater Assy. includes Hi Limit auto and manual Reset Switches.

[2] Units ETL Canada approval (Code 07= CY). Heater Assy. includes Hi Limit auto Reset Switches.

# Section G- Blow-Thru Heat Section for RPE Units

## Option 3: Electric Heat: Code 04= E AND Code 34= E*****

## Heaters, Hi Limit Cutouts, Diffusers, Continued

| Ref. No. | Sch. Sym. | Part Description | Total KW | Code 34= | Heater KW | Hi Limit Cutout with Auto and Manual Cutout [1] | Hi Limit Cutout with Auto Cutout Only [2] | Unit Voltage 208/230V | Unit Voltage 460V | Unit Voltage 575V |
|---|---|---|---|---|---|---|---|---|---|---|
| 400 | | Blank Assy- Bottom | 80-160 | E/080-160 | | 055923602 | 055923602 | 1 | 1 | 1 |
| | | Heater Assy- Bottom | 200 | E200 | 80 | 049269206 | 049269215 | 1 | | |
| | | Heater Assy- Bottom | 200 | E200 | 80 | 049269224 | 049269233 | | 1 | |
| | | Heater Assy- Bottom | 200 | E200 | 80 | N/A | 049269242 | | | 1 |
| | | Heater Assy- Bottom | 240 | E240 | 120 | 049269204 | 049269213 | 1 | | |
| | | Heater Assy- Bottom | 240 | E240 | 120 | 049269222 | 049269231 | | 1 | |
| | | Heater Assy- Bottom | 240 | E240 | 120 | N/A | 049269240 | | | 1 |
| | | Heater Assy- Bottom | 280 | E280 | 120 | 049269204 | 049269213 | 1 | | |
| | | Heater Assy- Bottom | 280 | E280 | 120 | 049269222 | 049269231 | | 1 | |
| | | Heater Assy- Bottom | 280 | E280 | 120 | N/A | 049269240 | | | 1 |
| | | Heater Assy- Bottom | 320 | E320 | 160 | 049269203 | 049269212 | 1 | | |
| | | Heater Assy- Bottom | 320 | E320 | 160 | 049269221 | 049269230 | | 1 | |
| | | Heater Assy- Bottom | 320 | E320 | 160 | N/A | 049269239 | | | 1 |
| 7 | HL1- 20 | Hi Limit- Manual Cutout | All | All | All | 065496201 | N/A | 1 | 1 | 1 |
| 7A | HL31- 50 | Hi Limit- Auto Cutout | All | All | All | 065824501 | 065824501 | 1 | 1 | 1 |
| 12 | | Diffuser | All | All | All | 055658401 | 055658401 | 2 | 2 | 2 |

N/A= Not Applicable.

[1] Units ETL/MEA USA approval (Code 07= EY) or no approval (Code 07= YY). Heater Assy. includes Hi Limit auto and manual Reset Switches.

[2] Units ETL Canada approval (Code 07= CY). Heater Assy. includes Hi Limit auto Reset Switches.

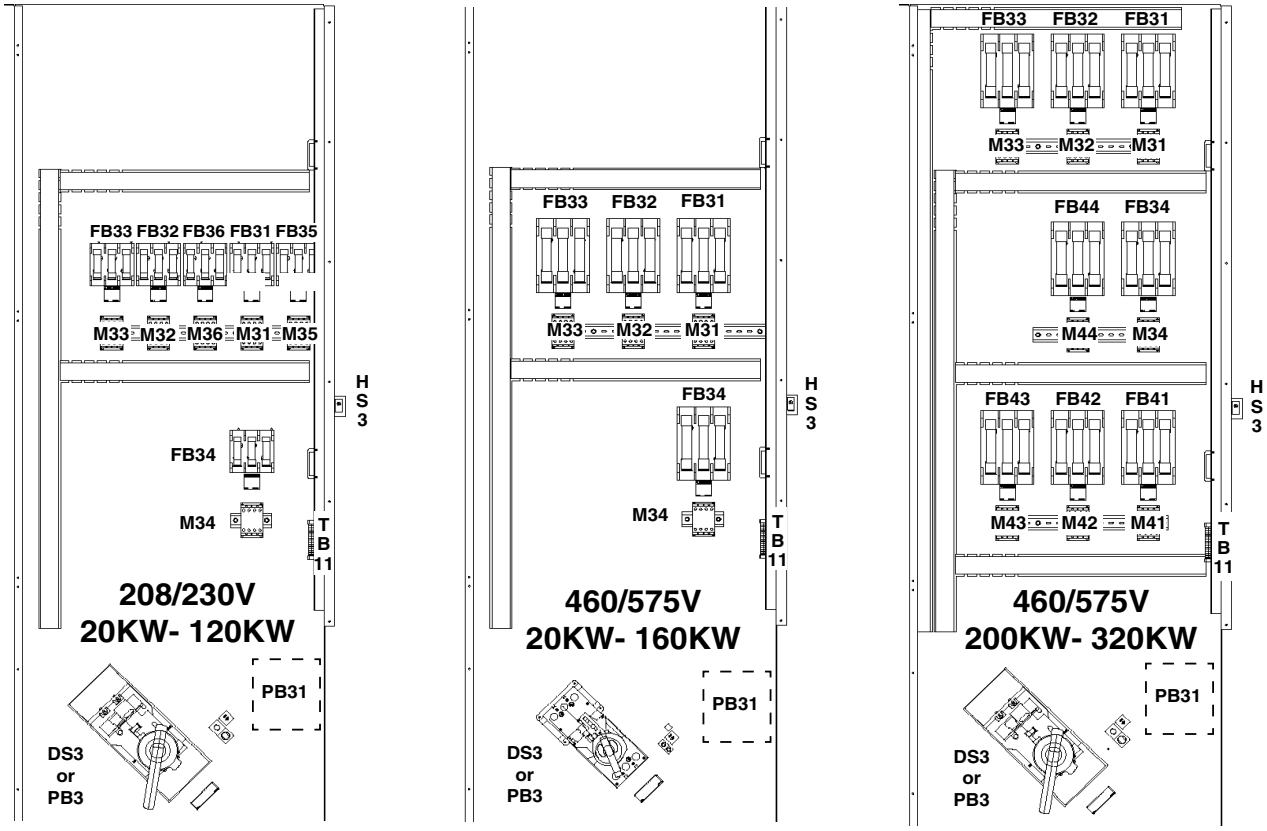
# Section G- Blow-Thru Heat Section for RPE Units

## Option 3: Electric Heat: Code 04= E AND Code 34= E*****

## Electric Heat Control Box

## 5/13 & Earlier

## Disconnect Switch DS3




| Sch. Sym. | Part Description | Amps | Disconnect Switch Components: Switch | Handle [2] | Shaft | Ground Lug |
|---|---|---|---|---|---|---|
| DS3 | Disconnect Switch [1] | 100 Amp | 349935125 | 349935523 | 349962211 | 349938001 |
| | Disconnect Switch [1] | 150 Amp | 349935126 | 349935533 | 349962212 | 349938001 |
| | Disconnect Switch [1] | 250 Amp | 349935226 | 349935533 | 349962212 | 349938001 |
| | Disconnect Switch [1] | 400 Amp | 349935325 | 349935622 | 349962213 | 349938002 |
| | Disconnect Switch [1] | 600 Amp | 193438205 [4] | [3, 4] | 349962243 [4] | 349938002 |

[1] Disconnects are sized according to various unit specifications. Check installed Switch to verify the correct DS3 size.
[2] Includes mechanism (except 600A switch, see footnote #3).
[3] Handle only p/n 349961102; Mechanism only p/n 193455001; Shaft only p/n 349961403.
[4] Note that the original Disconnect Switch is obsolete. If replacing an original Disconnect Switch, due to dimensional differences, minor field modifications may be required for proper installation.

# Section G- Blow-Thru Heat Section for RPE Units

## Option 3: Electric Heat: Code 04= E AND Code 34= E*****

## Electric Heat Control Box

## 5/13 & Earlier

## 20- 120KW Components

| Sch. Sym. | Part Description | Part Number | Heater KW= 20 | | | | 40 | | | | 60 | | | | 80 | | | | 100 | | | | 120 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 208V | 230V | 460V | 575V | 208V | 230V | 460V | 575V | 208V | 230V | 460V | 575V | 208V | 230V | 460V | 575V | 208V | 230V | 460V | 575V | 208V | 230V | 460V | 575V |
| PB3 | Power Block | 030372777 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | 1 | 1 | | | 1 | 1 | | | 1 | 1 | | | 1 | 1 |
| | Power Block | 030372785 | | | | | | | | | 1 | 1 | | | 1 | 1 | | | 1 | 1 | | | 1 | 1 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PB31 | Power Block- DS3 [2] | | | | | | | | | | | | | | | | | | | | | | | | | |
| | used w/100A, 150A DS3 | 030372777 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | used w/250A DS3 | 030372783 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | used w/400A DS3 | 030372785 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | used w/600A DS3 | 030372721 [3] | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| - | Cover- PB31 Power Block [3] | 349938345 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HS3 | Switch | 033696300 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TB11 | Terminal Block | 349930621 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M31 | Contactor | 349932321 | | | 1 | 1 | | | 1 | 1 | | | | | | | 1 | 1 | | | | | | | | |
| | Contactor | 349932322 | 1 | 1 | | | 1 | 1 | | | 1 | 1 | 1 | 1 | 1 | 1 | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| M32 | Contactor | 349932322 | | | | | 1 | 1 | | | 1 | 1 | 1 | 1 | 1 | 1 | | | 1 | 1 | | | 1 | 1 | 1 | 1 |
| | Contactor | 349932321 | | | | | | | 1 | 1 | | | | | | | 1 | 1 | | | 1 | 1 | | | | |
| M33 | Contactor | 349932322 | | | | | | | | | 1 | 1 | | | 1 | 1 | | | 1 | 1 | | | 1 | 1 | | |
| | Contactor | 349932321 | | | | | | | | | | | | | | | 1 | 1 | | | 1 | 1 | | | 1 | 1 |
| M34 | Contactor | 349932322 | | | | | | | | | 1 | 1 | | | 1 | 1 | | | 1 | 1 | | | 1 | 1 | | |
| | Contactor | 349932321 | | | | | | | | | | | | | | | 1 | 1 | | | 1 | 1 | | | 1 | 1 |
| M35 | Contactor | 349932322 | | | | | | | | | | | | | | | | | 1 | 1 | | | 1 | 1 | | |
| M36 | Contactor | 349932322 | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | |

[1] Part number is for one section. The number of sections used is determined by the options installed.

[2] Not used when PB3 power block connection is present.

[3] Cover- PB31 Power Block is used ONLY when 600A DS3 p/n 030372721 is supplied.

# Section G- Blow-Thru Heat Section for RPE Units

## Option 3: Electric Heat: Code 04= E AND Code 34= E*****

## Electric Heat Control Box

## 5/13 & Earlier

## 20- 120KW Components, Continued

| Sch. Sym. | Part Description | Part Number | Heater KW= | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 20 | | | | 40 | | | | 60 | | | | 80 | | | | 100 | | | | 120 | | | |
| | | | 208V | 230V | 460V | 575V | 208V | 230V | 460V | 575V | 208V | 230V | 460V | 575V | 208V | 230V | 460V | 575V | 208V | 230V | 460V | 575V | 208V | 230V | 460V | 575V |
| FB31 | Fuse Block | 023780229 | 1 | 1 | | | 1 | 1 | | | 1 | 1 | | | 1 | 1 | | | 1 | 1 | | | 1 | 1 | | |
| | Fuse Block | 023780225 | | | 1 | 1 | | | 1 | 1 | | | | | | | 1 | 1 | | | | | | | | |
| | Fuse Block | 023780230 | | | | | | | | | | | 1 | 1 | | | | | | | 1 | 1 | | | 1 | 1 |
| FB32 | Fuse Block | 023780229 | | | | | 1 | 1 | | | 1 | 1 | | | 1 | 1 | | | 1 | 1 | | | 1 | 1 | | |
| | Fuse Block | 023780225 | | | | | | | 1 | 1 | | | | | | | 1 | 1 | | | 1 | 1 | | | | |
| | Fuse Block | 023780230 | | | | | | | | | | | 1 | 1 | | | | | | | | | | | 1 | 1 |
| FB33 | Fuse Block | 023780229 | | | | | | | | | 1 | 1 | | | 1 | 1 | | | 1 | 1 | | | 1 | 1 | | |
| | Fuse Block | 023780225 | | | | | | | | | | | | | | | 1 | 1 | | | 1 | 1 | | | 1 | 1 |
| FB34 | Fuse Block | 023780229 | | | | | | | | | 1 | 1 | | | 1 | 1 | | | 1 | 1 | | | 1 | 1 | | |
| | Fuse Block | 023780225 | | | | | | | | | | | | | | | 1 | 1 | | | 1 | 1 | | | 1 | 1 |
| FB35 | Fuse Block | 023780229 | | | | | | | | | | | | | | | | | 1 | 1 | | | 1 | 1 | | |
| FB36 | Fuse Block | 023780229 | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | |
| F31 | Fuse- FB31 | 025860514 | 3 | 3 | | | 3 | 3 | | | | | | | 3 | 3 | | | 3 | 3 | | | 3 | 3 | | |
| | Fuse- FB31 | 025860511 | | | | | | | | | 3 | | | | | | | | | | | | | | | |
| | Fuse- FB31 | 025860512 | | | | | | | | | | 3 | | | | | | | | | | | | | | |
| | Fuse- FB31 | 025860409 | | | 3 | | | | 3 | | | | | | | | 3 | | | | | | | | | |
| | Fuse- FB31 | 025860408 | | | | 3 | | | | 3 | | | | | | | | 3 | | | | | | | | |
| | Fuse- FB31 | 025860412 | | | | | | | | | | | 3 | | | | | | | | | | | | | |
| | Fuse- FB31 | 025860411 | | | | | | | | | | | | 3 | | | | | | | | | | | | |
| | Fuse- FB31 | 025860414 | | | | | | | | | | | | | | | | | | | 3 | | | | 3 | |
| | Fuse- FB31 | 025860413 | | | | | | | | | | | | | | | | | | | | 3 | | | | 3 |
| F32 | Fuse- FB32 | 025860514 | | | | | 3 | 3 | | | | | | | 3 | 3 | | | 3 | 3 | | | 3 | 3 | | |
| | Fuse- FB32 | 025860511 | | | | | | | | | 3 | | | | | | | | | | | | | | | |
| | Fuse- FB32 | 025860512 | | | | | | | | | | 3 | | | | | | | | | | | | | | |
| | Fuse- FB32 | 025860409 | | | | | | | 3 | | | | | | | | 3 | | | | 3 | | | | | |
| | Fuse- FB32 | 025860408 | | | | | | | | 3 | | | | | | | | 3 | | | | 3 | | | | |
| | Fuse- FB32 | 025860412 | | | | | | | | | | | 3 | | | | | | | | | | | | | |
| | Fuse- FB32 | 025860411 | | | | | | | | | | | | 3 | | | | | | | | | | | | |
| | Fuse- FB32 | 025860414 | | | | | | | | | | | | | | | | | | | | | | | 3 | |
| | Fuse- FB32 | 025860413 | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| F33 | Fuse- FB33 | 025860511 | | | | | | | | | 3 | | | | | | | | | | | | | | | |
| | Fuse- FB33 | 025860512 | | | | | | | | | | 3 | | | | | | | | | | | | | | |
| | Fuse- FB33 | 025860514 | | | | | | | | | | | | | 3 | 3 | | | 3 | 3 | | | 3 | 3 | | |
| | Fuse- FB33 | 025860409 | | | | | | | | | | | | | | | 3 | | | | 3 | | | | 3 | |
| | Fuse- FB33 | 025860408 | | | | | | | | | | | | | | | | 3 | | | | 3 | | | | 3 |
| F34 | Fuse- FB34 | 025860511 | | | | | | | | | 3 | | | | | | | | | | | | | | | |
| | Fuse- FB34 | 025860512 | | | | | | | | | | 3 | | | | | | | | | | | | | | |
| | Fuse- FB34 | 025860514 | | | | | | | | | | | | | 3 | 3 | | | 3 | 3 | | | 3 | 3 | | |
| | Fuse- FB34 | 025860409 | | | | | | | | | | | | | | | 3 | | | | 3 | | | | 3 | |
| | Fuse- FB34 | 025860408 | | | | | | | | | | | | | | | | 3 | | | | 3 | | | | 3 |
| F35 | Fuse- FB35 | 025860514 | | | | | | | | | | | | | | | | | 3 | 3 | | | 3 | 3 | | |
| F36 | Fuse- FB36 | 025860514 | | | | | | | | | | | | | | | | | | | | | 3 | 3 | | |

# Section G- Blow-Thru Heat Section for RPE Units

## Option 3: Electric Heat: Code 04= E AND Code 34= E*****

## Electric Heat Control Box

## 5/13 & Earlier

## 160- 320KW Components

| Sch. Sym. | Part Description | Part Number | Heater KW= 160 460V | 160 575V | 200 460V | 200 575V | 240 460V | 240 575V | 280 460V | 280 575V | 320 460V | 320 575V |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PB3 | Power Block | 030372785 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | | | | | | | | | | | |
| PB31 | Power Block [2] | | | | | | | | | | | |
| | used w/100A, 150A DS3 | 030372777 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | used w/250A DS3 | 030372783 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | used w/400A DS3 | 030372785 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | used w/600A DS3 | 030372721 [3] | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | | | | | | | | | | | |
| - | Cover- PB31 Power Block [3] | 349938345 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | | | | | | | | | | | |
| HS3 | Switch | 033696300 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | | | | | | | | | | | |
| TB11 | Terminal Block | 349930621 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | | | | | | | | | | | |
| M31 | Contactor | 349932322 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| M32 | Contactor | 349932322 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| M33 | Contactor | 349932322 | 1 | 1 | | | | | 1 | 1 | 1 | 1 |
| | Contactor | 349932221 | | | 1 | 1 | 1 | 1 | | | | |
| M34 | Contactor | 349932322 | 1 | 1 | | | | | 1 | 1 | 1 | 1 |
| | Contactor | 349932221 | | | 1 | 1 | 1 | 1 | | | | |
| M41 | Contactor | 349932322 | | | | | | | | | 1 | 1 |
| | Contactor | 349932321 | | | 1 | 1 | 1 | 1 | 1 | 1 | | |
| M42 | Contactor | 349932322 | | | | | | | | | 1 | 1 |
| | Contactor | 349932321 | | | 1 | 1 | 1 | 1 | 1 | 1 | | |
| M43 | Contactor | 349932322 | | | | | 1 | 1 | 1 | 1 | 1 | 1 |
| | Contactor | 349932321 | | | 1 | 1 | | | | | | |
| M44 | Contactor | 349932322 | | | | | 1 | 1 | 1 | 1 | 1 | 1 |
| | Contactor | 349932321 | | | 1 | 1 | | | | | | |

[1] Part number is for one section. The number of sections used is determined by the options installed.

[2] Not used when PB3 power block connection is present.

[3] Cover- PB31 Power Block is used ONLY when 600A DS3 p/n 030372721 is supplied.

# Section G- Blow-Thru Heat Section for RPE Units

## Option 3: Electric Heat: Code 04= E AND Code 34= E*****

## Electric Heat Control Box

## 5/13 & Earlier

## 160- 320KW Components, Continued

| Sch. Sym. | Part Description | Part Number | Heater KW= 160 460V | 160 575V | 200 460V | 200 575V | 240 460V | 240 575V | 280 460V | 280 575V | 320 460V | 320 575V |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FB31 | Fuse Block | 023780230 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| FB32 | Fuse Block | 023780230 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| FB33 | Fuse Block | 023780230 | 1 | 1 | | | | | 1 | 1 | 1 | 1 |
| | Fuse Block | 023780225 | | | 1 | 1 | 1 | 1 | | | | |
| FB34 | Fuse Block | 023780230 | 1 | 1 | | | | | 1 | 1 | 1 | 1 |
| | Fuse Block | 023780225 | | | 1 | 1 | 1 | 1 | | | | |
| FB41 | Fuse Block | 023780230 | | | | | | | | | 1 | 1 |
| | Fuse Block | 023780225 | | | 1 | 1 | 1 | 1 | 1 | 1 | | |
| FB42 | Fuse Block | 023780230 | | | | | | | | | 1 | 1 |
| | Fuse Block | 023780225 | | | 1 | 1 | 1 | 1 | 1 | 1 | | |
| FB43 | Fuse Block | 023780230 | | | | | 1 | 1 | 1 | 1 | 1 | 1 |
| | Fuse Block | 023780225 | | | 1 | 1 | | | | | | |
| FB44 | Fuse Block | 023780230 | | | | | 1 | 1 | 1 | 1 | 1 | 1 |
| | Fuse Block | 023780225 | | | 1 | 1 | | | | | | |
| | | | | | | | | | | | | |
| F31 | Fuse- FB31 | 025860414 | 3 | | 3 | | 3 | | 3 | | 3 | |
| | Fuse- FB31 | 025860413 | | 3 | | 3 | | 3 | | 3 | | 3 |
| F32 | Fuse- FB32 | 025860414 | 3 | | 3 | | 3 | | 3 | | 3 | |
| | Fuse- FB32 | 025860413 | | 3 | | 3 | | 3 | | 3 | | 3 |
| F33 | Fuse- FB33 | 025860414 | 3 | | | | | | 3 | | 3 | |
| | Fuse- FB33 | 025860413 | | 3 | | | | | | 3 | | 3 |
| | Fuse- FB33 | 025860409 | | | 3 | | 3 | | | | | |
| | Fuse- FB33 | 025860408 | | | | 3 | | 3 | | | | |
| F34 | Fuse- FB34 | 025860414 | 3 | | | | | | 3 | | 3 | |
| | Fuse- FB34 | 025860413 | | 3 | | | | | | 3 | | 3 |
| | Fuse- FB34 | 025860409 | | | 3 | | 3 | | | | | |
| | Fuse- FB34 | 025860408 | | | | 3 | | 3 | | | | |
| F41 | Fuse- FB41 | 025860409 | | | 3 | | 3 | | 3 | | | |
| | Fuse- FB41 | 025860408 | | | | 3 | | 3 | | 3 | | |
| | Fuse- FB41 | 025860414 | | | | | | | | | 3 | |
| | Fuse- FB41 | 025860413 | | | | | | | | | | 3 |
| F42 | Fuse- FB42 | 025860409 | | | 3 | | 3 | | 3 | | | |
| | Fuse- FB42 | 025860408 | | | | 3 | | 3 | | 3 | | |
| | Fuse- FB42 | 025860414 | | | | | | | | | 3 | |
| | Fuse- FB42 | 025860413 | | | | | | | | | | 3 |
| F43 | Fuse- FB43 | 025860409 | | | 3 | | | | | | | |
| | Fuse- FB43 | 025860408 | | | | 3 | | | | | | |
| | Fuse- FB43 | 025860414 | | | | | 3 | | 3 | | 3 | |
| | Fuse- FB43 | 025860413 | | | | | | 3 | | 3 | | 3 |
| F44 | Fuse- FB44 | 025860409 | | | 3 | | | | | | | |
| | Fuse- FB44 | 025860408 | | | | 3 | | | | | | |
| | Fuse- FB44 | 025860414 | | | | | 3 | | 3 | | 3 | |
| | Fuse- FB44 | 025860413 | | | | | | 3 | | 3 | | 3 |

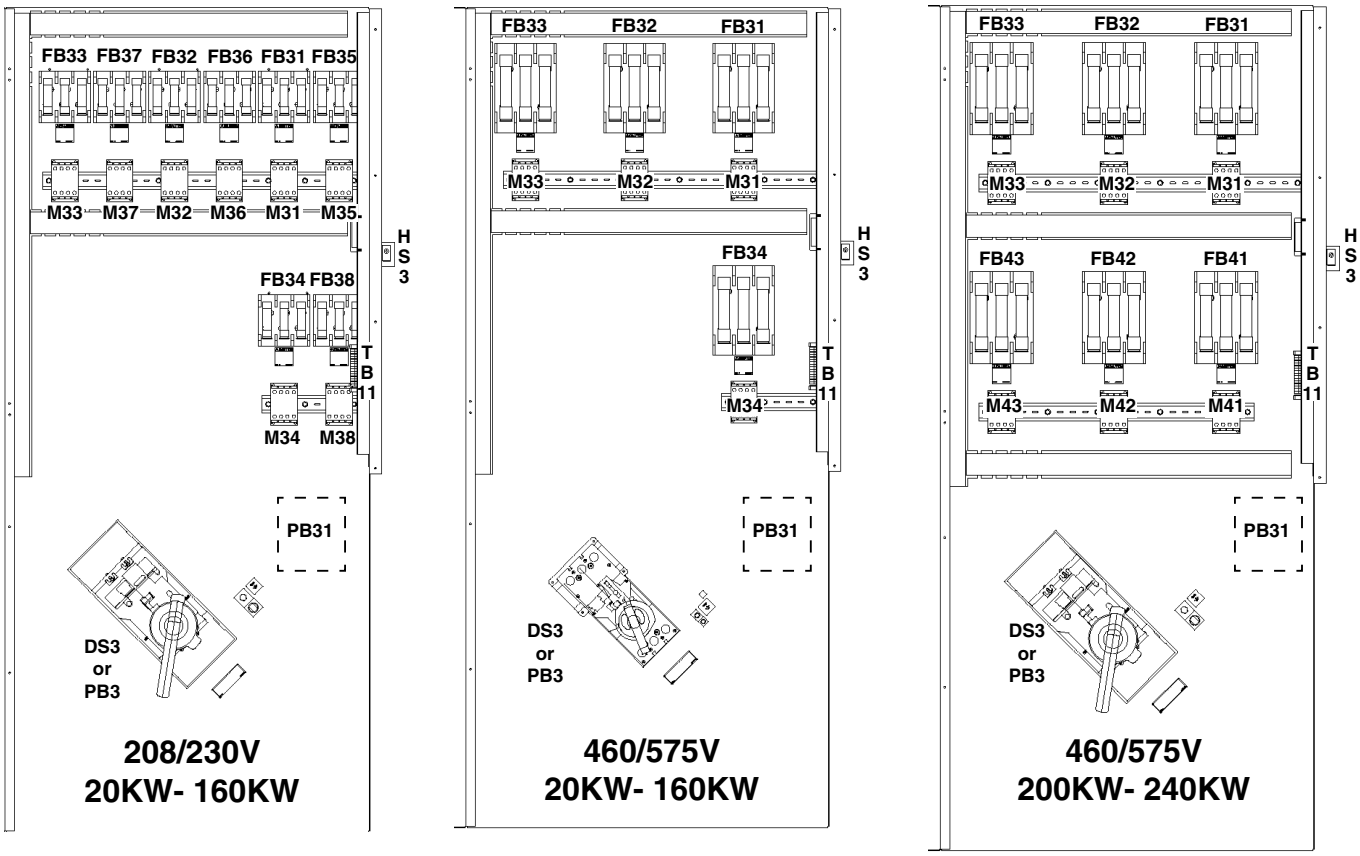
# Section G- Blow-Thru Heat Section for RPE Units

## Option 3: Electric Heat: Code 04= E AND Code 34= E*****

## Electric Heat Control Box

## 6/13 & Later

## Disconnect Switch DS3




### DS3- Disconnect Switch [1]

| Sch. Sym. | Part Description | Disconnect Switch Component | | | | |
|---|---|---|---|---|---|---|
| | | Switch | Mechanism | Handle | Shaft | Lugs |
| DS3 | Disconnect Switch- 100A | 193444703 | N/A | 193422102 | 193596420 [2] | N/A |
| | Disconnect Switch- 150A | 193585101 | 193550801 | 193422102 | 193596420 [2] | 193553301 [4] |
| | Disconnect Switch- 250A | 193551601 | 193551001 | 193595701 | 300049193 [3] | 193553801 [4] |
| | Disconnect Switch- 400A | 193551701 | 193551001 | 193595701 | 300049193 [3] | 193554001 [4] |
| | Disconnect Switch- 600A | 193551801 | 193551001 | 193595701 | 300049193 [3] | 193554101 [4] |

[1] Disconnects are sized according to various unit specifications. Check installed Switch to verify the correct DS3 size, or contact Daikin Applied with model and serial number information so that the correct part(s) can be identified.

[2] This shaft is 14.25" OAL and is designed to be cut to length in the field.

[3] This shaft is 7.21" (183mm) OAL and is designed to be cut to length in the field. For a 19.69" (500mm) OAL use p/n 300040299.

[4] Three Lugs are included with each p/n.

# Section G- Blow-Thru Heat Section for RPE Units

## Option 3: Electric Heat: Code 04= E AND Code 34= E*****

## Electric Heat Control Box

## 6/13 & Later

## 20- 120KW Components

| Sch. Sym. | Part Description | Part Number | Heater KW= 20 | | | | 40 | | | | 60 | | | | 80 | | | | 100 | | | | 120 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 208V | 230V | 460V | 575V | 208V | 230V | 460V | 575V | 208V | 230V | 460V | 575V | 208V | 230V | 460V | 575V | 208V | 230V | 460V | 575V | 208V | 230V | 460V | 575V |
| PB3 | Power Block 175A | 030372777 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | 1 | 1 | | | 1 | 1 | | | 1 | 1 | | | 1 | 1 |
| | Power Block 420A | 030372785 | | | | | | | | | 1 | 1 | | | 1 | 1 | | | 1 | 1 | | | 1 | 1 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PB31 | Power Block [3] | | | | | | | | | | | | | | | | | | | | | | | | | |
| | used w/100A, 150A DS3 | 030372777 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | used w/250A DS3 | 030372783 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | used w/400A DS3 | 030372785 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | used w/600A DS3 | 030372721 [4] | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DS3 | Disconnect Switch | [2] | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HS3 | Switch | 033696300 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TB11 | Terminal Block | 349930641 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M31 | Contactor 40A | 193591601 | 1 | 1 | | | 1 | 1 | | | 1 | 1 | 1 | 1 | 1 | 1 | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | Contactor 12A | 193592005 | | | 1 | 1 | | | 1 | 1 | | | | | | | 1 | 1 | | | | | | | | |
| M32 | Contactor 40A | 193591601 | | | | | 1 | 1 | | | 1 | 1 | 1 | 1 | 1 | 1 | | | 1 | 1 | | | 1 | 1 | 1 | 1 |
| | Contactor 12A | 193592005 | | | | | | | 1 | 1 | | | | | | | 1 | 1 | | | 1 | 1 | | | | |
| M33 | Contactor 40A | 193591601 | | | | | | | | | 1 | 1 | | | 1 | 1 | | | 1 | 1 | | | 1 | 1 | | |
| | Contactor 12A | 193592005 | | | | | | | | | | | | | | | 1 | 1 | | | 1 | 1 | | | 1 | 1 |
| M34 | Contactor 40A | 193591601 | | | | | | | | | 1 | 1 | | | 1 | 1 | | | 1 | 1 | | | 1 | 1 | | |
| | Contactor 12A | 193592005 | | | | | | | | | | | | | | | 1 | 1 | | | 1 | 1 | | | 1 | 1 |
| M35 | Contactor 40A | 193591601 | | | | | | | | | | | | | | | | | 1 | 1 | | | 1 | 1 | | |
| M36 | Contactor 40A | 193591601 | | | | | | | | | | | | | | | | | 1 | 1 | | | 1 | 1 | | |

[1] Part number is for one section. The number of sections used is determined by the options installed.

[2] See the chart on the previous page.

[3] Not used when PB3 power block connection is present.

[4] Cover- PB31 used with 600A DS3 is p/n 349938345.

# Section G- Blow-Thru Heat Section for RPE Units

## Option 3: Electric Heat: Code 04= E AND Code 34= E*****

## Electric Heat Control Box

## 6/13 & Later

## 20- 120KW Components, Continued

| Sch. Sym. | Part Description | Part Number | Heater KW= | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 20 | | | | 40 | | | | 60 | | | | 80 | | | | 100 | | | | 120 | | | |
| | | | 208V | 230V | 460V | 575V | 208V | 230V | 460V | 575V | 208V | 230V | 460V | 575V | 208V | 230V | 460V | 575V | 208V | 230V | 460V | 575V | 208V | 230V | 460V | 575V |
| FB31 | Fuse Block | 023780229 | 1 | 1 | | | 1 | 1 | | | 1 | 1 | | | 1 | 1 | | | 1 | 1 | | | 1 | 1 | | |
| | Fuse Block | 023780225 | | | 1 | 1 | | | 1 | 1 | | | | | | | 1 | 1 | | | | | | | | |
| | Fuse Block | 023780230 | | | | | | | | | | | 1 | 1 | | | | | | | 1 | 1 | | | 1 | 1 |
| FB32 | Fuse Block | 023780229 | | | | | 1 | 1 | | | 1 | 1 | | | 1 | 1 | | | 1 | 1 | | | 1 | 1 | | |
| | Fuse Block | 023780225 | | | | | | | 1 | 1 | | | | | | | 1 | 1 | | | 1 | 1 | | | | |
| | Fuse Block | 023780230 | | | | | | | | | | | 1 | 1 | | | | | | | | | | | 1 | 1 |
| FB33 | Fuse Block | 023780229 | | | | | | | | | 1 | 1 | | | 1 | 1 | | | 1 | 1 | | | 1 | 1 | | |
| | Fuse Block | 023780225 | | | | | | | | | | | | | | | 1 | 1 | | | 1 | 1 | | | 1 | 1 |
| FB34 | Fuse Block | 023780229 | | | | | | | | | 1 | 1 | | | 1 | 1 | | | 1 | 1 | | | 1 | 1 | | |
| | Fuse Block | 023780225 | | | | | | | | | | | | | | | 1 | 1 | | | 1 | 1 | | | 1 | 1 |
| FB35 | Fuse Block | 023780229 | | | | | | | | | | | | | | | | | 1 | 1 | | | 1 | 1 | | |
| FB36 | Fuse Block | 023780229 | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| F31 | Fuse- FB31 | 025860514 | 3 | 3 | | | 3 | 3 | | | | | | | 3 | 3 | | | 3 | 3 | | | 3 | 3 | | |
| | Fuse- FB31 | 025860511 | | | | | | | | | 3 | | | | | | | | | | | | | | | |
| | Fuse- FB31 | 025860512 | | | | | | | | | | 3 | | | | | | | | | | | | | | |
| | Fuse- FB31 | 025860409 | | | 3 | | | | 3 | | | | | | | | 3 | | | | | | | | | |
| | Fuse- FB31 | 025860408 | | | | 3 | | | | 3 | | | | | | | | 3 | | | | | | | | |
| | Fuse- FB31 | 025860412 | | | | | | | | | | | 3 | | | | | | | | | | | | | |
| | Fuse- FB31 | 025860411 | | | | | | | | | | | | 3 | | | | | | | | | | | | |
| | Fuse- FB31 | 025860414 | | | | | | | | | | | | | | | | | | | 3 | | | | 3 | |
| | Fuse- FB31 | 025860413 | | | | | | | | | | | | | | | | | | | | 3 | | | | 3 |
| F32 | Fuse- FB32 | 025860514 | | | | | 3 | 3 | | | | | | | 3 | 3 | | | 3 | 3 | | | 3 | 3 | | |
| | Fuse- FB32 | 025860511 | | | | | | | | | 3 | | | | | | | | | | | | | | | |
| | Fuse- FB32 | 025860512 | | | | | | | | | | 3 | | | | | | | | | | | | | | |
| | Fuse- FB32 | 025860409 | | | | | | | 3 | | | | | | | | 3 | | | | 3 | | | | | |
| | Fuse- FB32 | 025860408 | | | | | | | | 3 | | | | | | | | 3 | | | | 3 | | | | |
| | Fuse- FB32 | 025860412 | | | | | | | | | | | 3 | | | | | | | | | | | | | |
| | Fuse- FB32 | 025860411 | | | | | | | | | | | | 3 | | | | | | | | | | | | |
| | Fuse- FB32 | 025860414 | | | | | | | | | | | | | | | | | | | | | | | 3 | |
| | Fuse- FB32 | 025860413 | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| F33 | Fuse- FB33 | 025860511 | | | | | | | | | 3 | | | | | | | | | | | | | | | |
| | Fuse- FB33 | 025860512 | | | | | | | | | | 3 | | | | | | | | | | | | | | |
| | Fuse- FB33 | 025860514 | | | | | | | | | | | | | 3 | 3 | | | 3 | 3 | | | 3 | 3 | | |
| | Fuse- FB33 | 025860409 | | | | | | | | | | | | | | | 3 | | | | 3 | | | | 3 | |
| | Fuse- FB33 | 025860408 | | | | | | | | | | | | | | | | 3 | | | | 3 | | | | 3 |
| F34 | Fuse- FB34 | 025860511 | | | | | | | | | 3 | | | | | | | | | | | | | | | |
| | Fuse- FB34 | 025860512 | | | | | | | | | | 3 | | | | | | | | | | | | | | |
| | Fuse- FB34 | 025860514 | | | | | | | | | | | | | 3 | 3 | | | 3 | 3 | | | 3 | 3 | | |
| | Fuse- FB34 | 025860409 | | | | | | | | | | | | | | | 3 | | | | 3 | | | | 3 | |
| | Fuse- FB34 | 025860408 | | | | | | | | | | | | | | | | 3 | | | | 3 | | | | 3 |
| F35 | Fuse- FB35 | 025860514 | | | | | | | | | | | | | | | | | 3 | 3 | | | 3 | 3 | | |
| F36 | Fuse- FB36 | 025860514 | | | | | | | | | | | | | | | | | | | | | 3 | 3 | | |

# Section G- Blow-Thru Heat Section for RPE Units

## Option 3: Electric Heat: Code 04= E AND Code 34= E*****

## Electric Heat Control Box

## 6/13 & Later

## 160- 320KW Components

| Sch. Sym. | Part Description | Part Number | Heater KW= 160 460V | 160 575V | 200 460V | 200 575V | 240 460V | 240 575V | 280 460V | 280 575V | 320 460V | 320 575V |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PB3 | Power Block | 030372785 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| PB31 | Power Block [4] | | | | | | | | | | | |
| | used w/100A, 150A DS3 | 030372777 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | used w/250A DS3 | 030372783 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | used w/400A DS3 | 030372785 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | used w/600A DS3 | 030372721 [3] | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| DS3 | Disconnect Switch | [2] | | | | | | | | | | |
| HS3 | Switch | 033696300 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| TB11 | Terminal Block | 349930641 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | | | | | | | | | | | |
| M31 | Contactor 40A | 193591601 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| M32 | Contactor 40A | 193591601 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| M33 | Contactor 40A | 193591601 | 1 | 1 | | | | | 1 | 1 | 1 | 1 |
| | Contactor 12A | 193592005 | | | 1 | 1 | 1 | 1 | | | | |
| M34 | Contactor 40A | 193591601 | 1 | 1 | | | | | 1 | 1 | 1 | 1 |
| | Contactor 12A | 193592005 | | | 1 | 1 | 1 | 1 | | | | |
| M41 | Contactor 40A | 193591601 | | | | | | | | | 1 | 1 |
| | Contactor 12A | 193592005 | | | 1 | 1 | 1 | 1 | 1 | 1 | | |
| M42 | Contactor 40A | 193591601 | | | | | | | | | 1 | 1 |
| | Contactor 12A | 193592005 | | | 1 | 1 | 1 | 1 | 1 | 1 | | |
| M43 | Contactor 40A | 193591601 | | | | | 1 | 1 | 1 | 1 | 1 | 1 |
| | Contactor 12A | 193592005 | | | 1 | 1 | | | | | | |
| M44 | Contactor 40A | 193591601 | | | | | 1 | 1 | 1 | 1 | 1 | 1 |
| | Contactor 12A | 193592005 | | | 1 | 1 | | | | | | |
| | | | | | | | | | | | | |
| FB31 | Fuse Block | 023780230 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| FB32 | Fuse Block | 023780230 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| FB33 | Fuse Block | 023780230 | 1 | 1 | | | | | 1 | 1 | 1 | 1 |
| | Fuse Block | 023780225 | | | 1 | 1 | 1 | 1 | | | | |
| FB34 | Fuse Block | 023780230 | 1 | 1 | | | | | 1 | 1 | 1 | 1 |
| | Fuse Block | 023780225 | | | 1 | 1 | 1 | 1 | | | | |
| FB41 | Fuse Block | 023780230 | | | | | | | | | 1 | 1 |
| | Fuse Block | 023780225 | | | 1 | 1 | 1 | 1 | 1 | 1 | | |
| FB42 | Fuse Block | 023780230 | | | | | | | | | 1 | 1 |
| | Fuse Block | 023780225 | | | 1 | 1 | 1 | 1 | 1 | 1 | | |
| FB43 | Fuse Block | 023780230 | | | | | 1 | 1 | 1 | 1 | 1 | 1 |
| | Fuse Block | 023780225 | | | 1 | 1 | | | | | | |
| FB44 | Fuse Block | 023780230 | | | | | 1 | 1 | 1 | 1 | 1 | 1 |
| | Fuse Block | 023780225 | | | 1 | 1 | | | | | | |

[1] Part number is for one section. The number of sections used is determined by the options installed.

[2] See chart 3 pages prior.

[3] Cover- PB31 used with 600A DS3 is p/n 349938345.

[4] Not used when PB3 power block connection is present.

# Section G- Blow-Thru Heat Section for RPE Units

## Option 3: Electric Heat: Code 04= E AND Code 34= E*****

## Electric Heat Control Box

## 6/13 & Later

## 160- 320KW Components, Continued

| Sch. Sym. | Part Description | Part Number | Heater KW= 160 460V | 160 575V | 200 460V | 200 575V | 240 460V | 240 575V | 280 460V | 280 575V | 320 460V | 320 575V |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F31 | Fuse | 025860414 | 3 | | 3 | | 3 | | 3 | | 3 | |
| | Fuse | 025860413 | | 3 | | 3 | | 3 | | 3 | | 3 |
| F32 | Fuse | 025860414 | 3 | | 3 | | 3 | | 3 | | 3 | |
| | Fuse | 025860413 | | 3 | | 3 | | 3 | | 3 | | 3 |
| F33 | Fuse | 025860414 | 3 | | | | | | 3 | | 3 | |
| | Fuse | 025860413 | | 3 | | | | | | 3 | | 3 |
| | Fuse | 025860409 | | | 3 | | 3 | | | | | |
| | Fuse | 025860408 | | | | 3 | | 3 | | | | |
| F34 | Fuse | 025860414 | 3 | | | | | | 3 | | 3 | |
| | Fuse | 025860413 | | 3 | | | | | | 3 | | 3 |
| | Fuse | 025860409 | | | 3 | | 3 | | | | | |
| | Fuse | 025860408 | | | | 3 | | 3 | | | | |
| F41 | Fuse | 025860409 | | | 3 | | 3 | | 3 | | | |
| | Fuse | 025860408 | | | | 3 | | 3 | | 3 | | |
| | Fuse | 025860414 | | | | | | | | | 3 | |
| | Fuse | 025860413 | | | | | | | | | | 3 |
| F42 | Fuse | 025860409 | | | 3 | | 3 | | 3 | | | |
| | Fuse | 025860408 | | | | 3 | | 3 | | 3 | | |
| | Fuse | 025860414 | | | | | | | | | 3 | |
| | Fuse | 025860413 | | | | | | | | | | 3 |
| F43 | Fuse | 025860409 | | | 3 | | | | | | | |
| | Fuse | 025860408 | | | | 3 | | | | | | |
| | Fuse | 025860414 | | | | | 3 | | 3 | | 3 | |
| | Fuse | 025860413 | | | | | | 3 | | 3 | | 3 |
| F44 | Fuse | 025860409 | | | 3 | | | | | | | |
| | Fuse | 025860408 | | | | 3 | | | | | | |
| | Fuse | 025860414 | | | | | 3 | | 3 | | 3 | |
| | Fuse | 025860413 | | | | | | 3 | | 3 | | 3 |

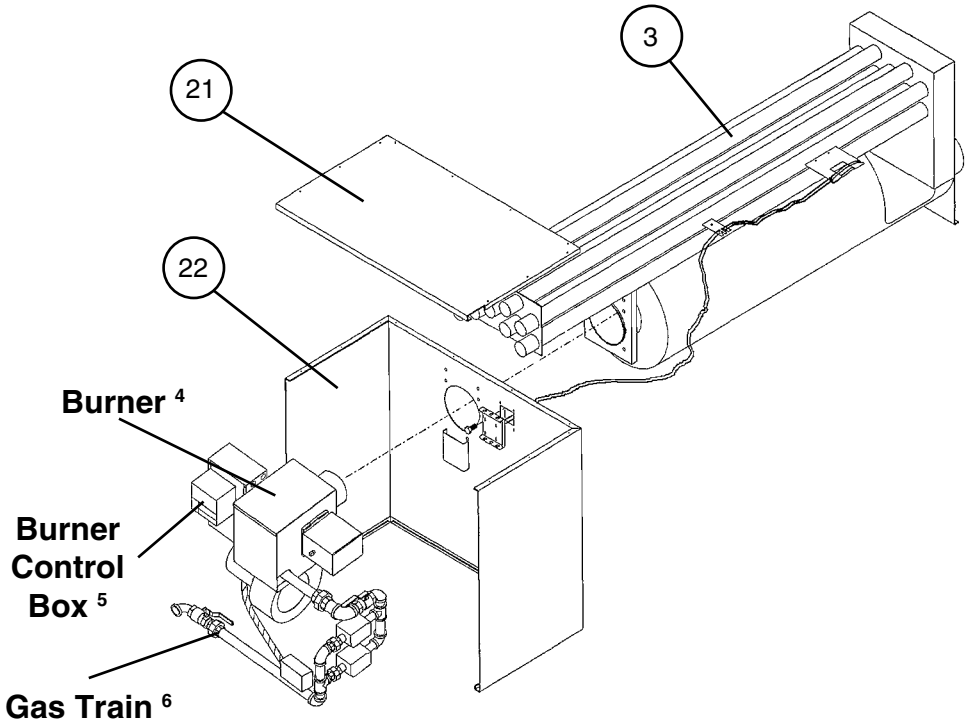
# Section G- Blow-Thru Heat Section for RPE Units

## Option 4- Gas Heat: Code 04= A

## Heat Exchangers & Vestibules

## 500, 640, 650, 790, 800, 1000, 1100, 1400MBH

## Code 34= 050***, 064***, 065***, 079***, 080***, 100***, 110**, 140***




| Ref. No. | Part Description | 500/640 MBH | 650/790 MBH | 800/1000 MBH | 1100/1400 MBH | Qty. |
|---|---|---|---|---|---|---|
| 3 | Heat Exch.- Aluminized Sec. C34= ***A** | [1] | [1] | [1] | [1] | 1 |
| | Heat Exch. Kit- S.S. Sec. C34= ***S** | 098322921 [2] | 098322522 [2] | 098322523 [2] | 098322524 [2] | 1 |
| 21 | Vestibule- Top Panel | 055636326 | 055636326 | 055636326 | 055636326 | 1 |
| 22 | Vestibule- Side Panel | 055636322 | 055636323 | 055636324 | 055636325 | 1 |
| N/S | Turbulator | 058387201 | 058387201 | 058387201 | 058387201 | [3] |

N/S= Not shown on diagram.

[1] Aluminized Secondary Heat Exchangers are no longer available. Use the comparable Stainless Steel Secondary Kit p/n instead.

[2] Kit includes the Heat Exchanger, Flue Front Cover, Flue Back Cover, Inspection Door, and Inspection Door Gasket.

[3] Quantity varies depending upon the size of the Heat Exchanger. For 500/640 MBH order 9 pc.; for 650/790 MBH order 12 pc.; for 800/1000 MBH order 15 pc.; for 1100/1400 MBH order 22pc. Note that the required Turbulators are NOT included in the Heat Exchanger Kits.

[4] Parts detail follows this section.

[5] Parts detail follows Burner section.

[6] Parts detail follows Burner Control Box section.

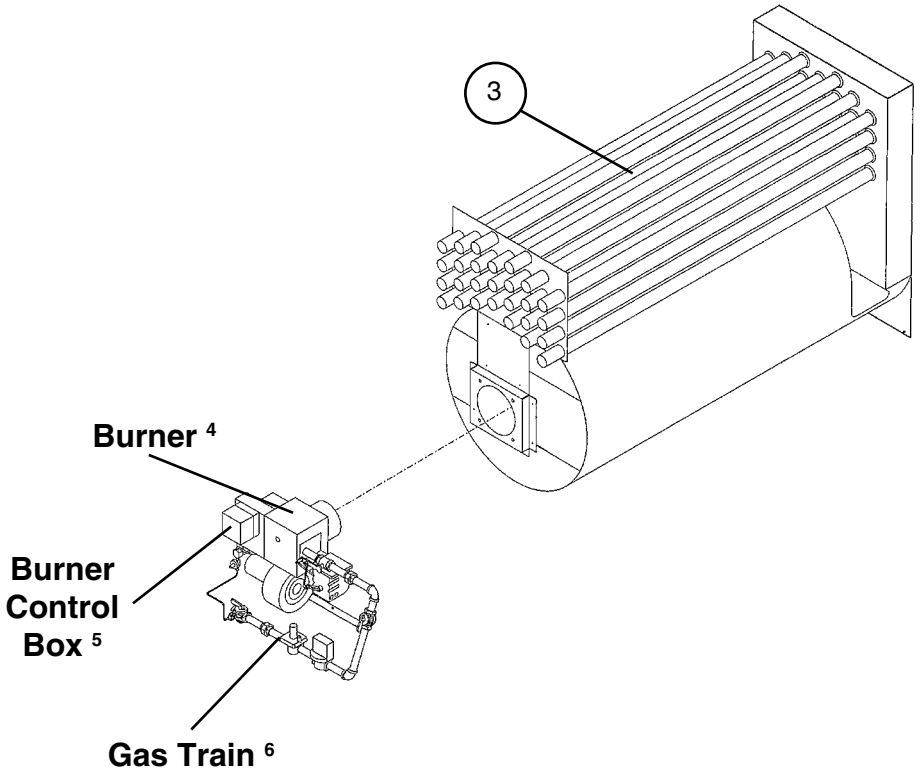
# Section G- Blow-Thru Heat Section for RPE Units

## Option 4- Gas Heat: Code 04= A

## Heat Exchangers & Vestibules

## 1500, 2000MBH

## Code 34= 150***, 200***




| Ref. No. | Part Description | | 1500/2000 MBH | Qty. |
|---|---|---|---|---|
| 3 | Heat Exchanger- Aluminized Secondary | C34= ***A** | [1] | 1 |
| | Heat Exchanger Kit- Stainless Steel Secondary | C34= ***S** | 098322525 [2] | 1 |
| N/S | Turbulator | | 058387201 [3] | 27 |

N/S= Not shown on diagram.

[1] Aluminized Secondary Heat Exchangers are no longer available. Use the comparable Stainless Steel Secondary Kit p/n instead.

[2] Kit includes the Heat Exchanger, Flue Front Cover, Flue Back Cover, Inspection Door, and Inspection Door Gasket.

[3] Note that the required Turbulators are NOT included in the Heat Exchanger Kit.

[4] Parts detail follows this section.

[5] Parts detail follows Burner section.

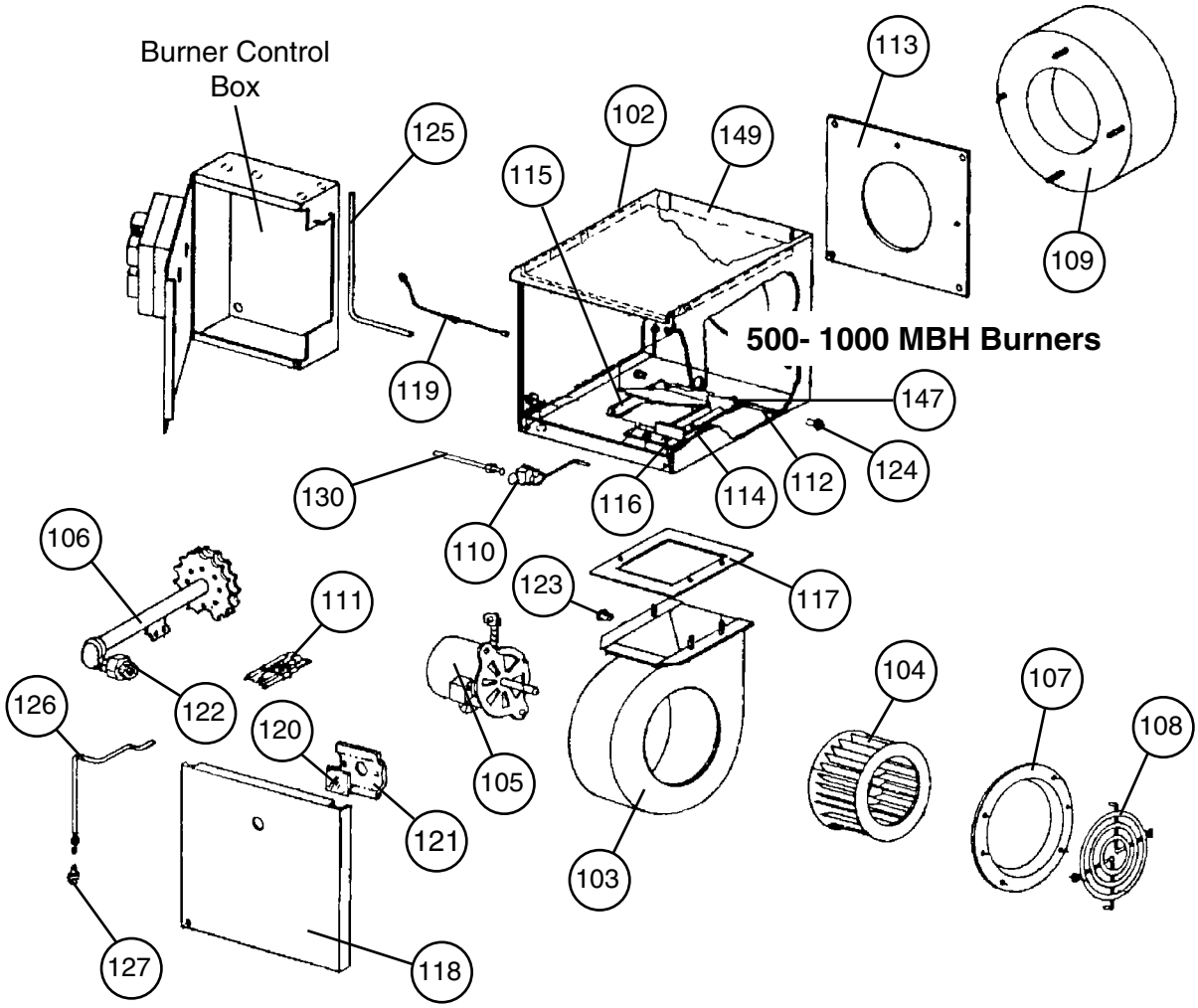
[6] Parts detail follows Burner Control Box section.

# Section G- Blow-Thru Heat Section for RPE Units

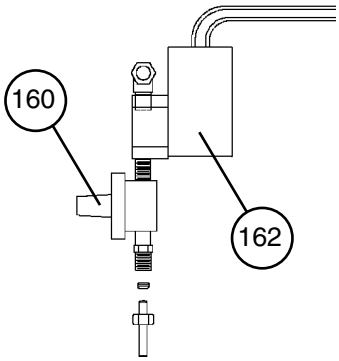
## Option 4- Gas Heat: Code 04= A

## Modulating Burner Diagrams

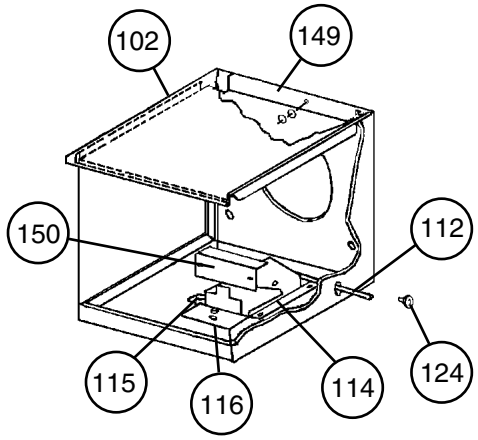
## Code 34= ****E*, ****R*, ****S*




**Pilot Valve / Pressure Regulator Assy. Detail**




**Housing Detail:1100- 2000 MBH Burners**



# Section G- Blow-Thru Heat Section for RPE Units

## Option 4- Gas Heat: Code 04= A

## Modulating Burner Components

## Code 34= ****E*, ****R*, ****S*

| Ref. No. | Part Description | Burner Approval Code | | Qty. |
|---|---|---|---|---|
| | | C07=EU, EF, EI UL/ETL | C07= CC, CD ETL | |
| 102 | Burner Housing | | | |
| | 500- 1000 MBH Furnace | 059362302 | 059362302 | 1 |
| | 1100- 2000 MBH Furnace | 066673702 | 066673702 | 1 |
| 103 | Scroll | | | |
| | 500- 1000 MBH Furnace | 035740701 | 035740701 | 1 |
| | 1100- 2000 MBH Furnace | 035740901 | 035740901 | 1 |
| 104 | Wheel- .5” bore, CCW | | | |
| | 500- 1000 MBH Furnace | 034861102 | 034861102 | 1 |
| | 1100- 1500 MBH Furnace | 034249005 | 034249005 | 1 |
| | 2000 MBH Furnace | 034249004 | 034249004 | 1 |
| 105 | Motor | | | |
| | 500- 1000 MBH Furnace | 034249200 | 034249200 | 1 |
| | 1100- 1500 MBH Furnace | 032248600 | 032248600 | 1 |
| | 2000 MBH Furnace | 032248400 | 032248400 | 1 |
| 106 | Gun Assembly | | | |
| | 500 MBH Furnace | 034880001 | 034880001 | 1 |
| | 640, 650 MBH Furnace | 034880002 | 034880002 | 1 |
| | 790, 800 MBH Furnace | 034880003 | 034880003 | 1 |
| | 1000 MBH Furnace | 034880004 | 034880004 | 1 |
| | 1100 MBH Furnace | 035721001 | 035721001 | 1 |
| | 1400 MBH Furnace | 035721002 | 035721002 | 1 |
| | 1500 MBH Furnace | 035721003 | 035721003 | 1 |
| | 2000 MBH Furnace | 036235700 | 036235700 | 1 |
| 107 | Inlet Funnel | | | |
| | 500- 1000 MBH Furnace | 034743101 | 034743101 | 1 |
| | 1100- 2000 MBH Furnace | 034743102 | 034743102 | 1 |
| 108 | Fan Guard | 034742800 | 034742800 | 1 |
| 109 | Blast Tube | | | |
| | 500 - 650 MBH Furnace | 034101703 | 034101703 | 1 |
| | 790 - 1000 MBH Furnace | 034101707 | 034101707 | 1 |
| | 1100, 1400 MBH Furnace | 034101706 | 034101706 | 1 |
| | 1500, 2000 MBH Furnace | 035164701 | 035164701 | 1 |

# Section G- Blow-Thru Heat Section for RPE Units
## Option 4- Gas Heat: Code 04= A
## Modulating Burner Components, Continued
## Code 34= ****E*, ****R*, ****S*

| Ref. No. | Part Description | Burner Approval Code C07=EU, EF, EI UL/ETL | Burner Approval Code C07= CC, CD ETL | Qty. |
|---|---|---|---|---|
| 110 | Pilot Mixer | | | |
| | 500 - 1000 MBH Furnace | 036516401 | 036516401 | 1 |
| | 1100 - 2000 MBH Furnace | 036516402 | 036516402 | 1 |
| 111 | Pilot Assembly | 035019600 | 035019600 | 1 |
| 112 | Damper Assembly | | | |
| | 500 - 1000 MBH Furnace | 035721501 | 048791401 | 1 |
| | 1100 - 2000 MBH Furnace | 035721502 | 048791402 | 1 |
| 113 | Blast Tube Gasket | | | |
| | 500 - 1000 MBH Furnace | 034102000 | 034102000 | 1 |
| | 1100, 1400 MBH Furnace | 034101900 | 034101900 | 1 |
| | 1500, 2000 MBH Furnace | 034101900 | 034101900 | 2 |
| 114 | Right Side Damper | | | |
| | 500 MBH Furnace | 058594301 | 058594301 | 1 |
| | 640 MBH Furnace | 058595201 | 058595201 | 1 |
| | 650 - 1000 MBH Furnace | 058594501 | 058594501 | 1 |
| | 1100 MBH Furnace | 059366301 | 059366301 | 1 |
| | 1400 MBH Furnace | 059366201 | 059366201 | 1 |
| | 1500, 2000 MBH Furnace | 059365501 | 059365501 | 1 |
| 115 | Left Side Damper | | | |
| | 500, 640 MBH Furnace | 058595001 | 058595001 | 1 |
| | 650 - 1000 MBH Furnace | 058594401 | 058594401 | 1 |
| | 1100 MBH Furnace | 059366501 | 059366501 | 1 |
| | 1400 MBH Furnace | 059366401 | 059366401 | 1 |
| | 1500, 2000 MBH Furnace | 059365101 | 059365101 | 1 |
| 116 | Slide Damper | | | |
| | 500 MBH Furnace | 058594805 | 058594815 | 1 |
| | 640 MBH Furnace | 058594806 | 058594816 | 1 |
| | 650 MBH Furnace | 058594807 | 058594817 | 1 |
| | 790 MBH Furnace | 058594808 | 058594818 | 1 |
| | 800 MBH Furnace | 058594809 | 058594819 | 1 |
| | 1000 MBH Furnace | 058594810 | 058594820 | 1 |
| | 1100 MBH Furnace | 058594831 | 058594831 | 1 |
| | 1400 MBH Furnace | 058594837 | 058594837 | 1 |
| | 1500 MBH Furnace | 058594843 | 058594843 | 1 |
| | 2000 MBH Furnace | 058594849 | 058594849 | 1 |
| 117 | Blower Gasket | 035019500 | 035019500 | 1 |
| 118 | Burner Cover | | | |
| | 500- 1000 MBH Furnace | 033972100 | 033972100 | 1 |
| | 1100- 2000 MBH Furnace | 033973101 | 033973101 | 1 |
| 119 | Ignition Assembly | | | |
| | 500- 1000 MBH Furnace | 034742900 | 034742900 | 1 |
| | 1100- 2000 MBH Furnace | 036518500 | 036518500 | 1 |
| 120 | Glass Cover | 036557000 | 036557000 | 1 |

# Section G- Blow-Thru Heat Section for RPE Units
## Option 4- Gas Heat: Code 04= A
## Modulating Burner Components, Continued
## Code 34= ****E*, ****R*, ****S*

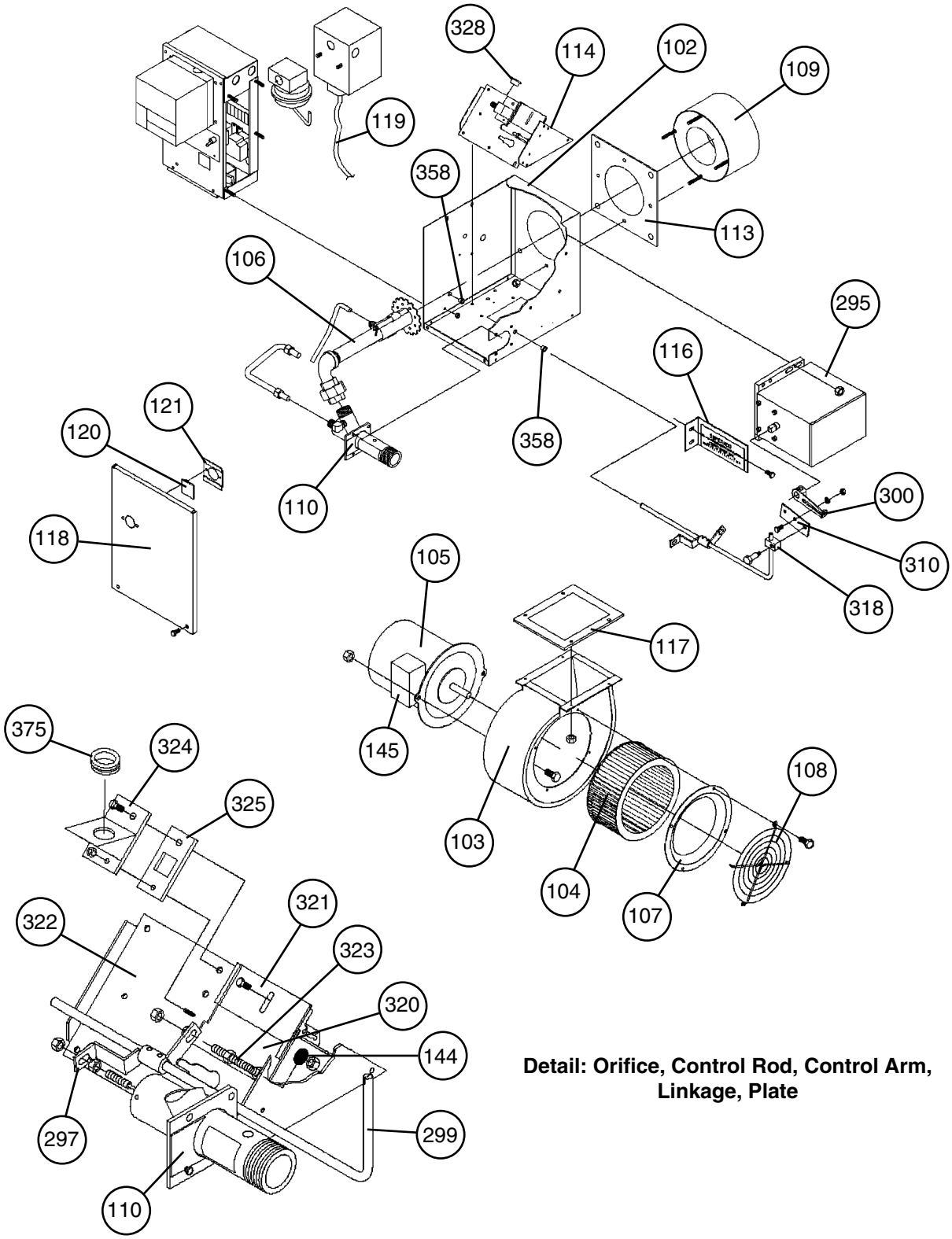
| Ref. No. | Part Description | Burner Approval Code | | Qty. |
|---|---|---|---|---|
| | | C07=EU, EF, EI UL/ETL | C07= CC, CD ETL | |
| 121 | Glass Cover Support | 036009600 | 036009600 | 1 |
| 122 | Orifice | | | |
| | 500 MBH Furnace | 058599101 | 058599101 | 1 |
| | 640 MBH Furnace | 058599102 | 058599102 | 1 |
| | 650 MBH Furnace | 058599103 | 058599103 | 1 |
| | 790 MBH Furnace | 058599104 | 058599104 | 1 |
| | 800 MBH Furnace | 058599104 | 058599104 | 1 |
| | 1000 MBH Furnace | 058599201 | 058599201 | 1 |
| | 1100 MBH Furnace | 059364601 | 059364601 | 1 |
| | 1400 MBH Furnace | 059364602 | 059364602 | 1 |
| | 1500 MBH Furnace | 059364603 | 059364603 | 1 |
| 123 | Clip | 034919400 | 034919400 | 1 |
| 124 | Flange Bearing | 034252000 | 034252000 | 2 |
| 125 | Air Switch Tube | | | |
| | 500- 1000 MBH Furnace | 034102801 | 034102801 | 1 |
| | 1100- 2000 MBH Furnace | 034102701 | 034102701 | 1 |
| 126 | Pilot Burner Tube | | | |
| | 500 - 1000 MBH Furnace | 036236100 | 036236100 | 1 |
| | 1100, 1400 MBH Furnace | 036236200 | 036236200 | 1 |
| | 1500, 2000 MBH Furnace | 036519900 | 036519900 | 1 |
| 127 | Compression Fitting | 034097500 | 034097500 | 1 |
| 130 | Pilot Tube | 034102601 | 034102601 | 1 |
| 147 | Torsion Spring | not used | 037528600 | 1 |
| 149 | Burner Box Baffle | | | |
| | 500 - 1000 MBH Furnace | 058597902 | 058597902 | 1 |
| | 1100- 2000 MBH Furnace | 059365801 | 059365801 | 1 |
| 150 | Damper, Slide- Top | | | |
| | 1100 MBH Furnace | 058594830 | not used | 1 |
| | 1400 MBH Furnace | 058594836 | not used | 1 |
| | 1500 MBH Furnace | 058594842 | not used | 1 |
| | 2000 MBH Furnace | 058594848 | not used | 1 |
| 160 | Valve- Pressure Regulator | 034077600 | 034077600 | 1 |
| 162 | Valve- Solenoid | 034488400 | 034488400 | 1 |

# Section G- Blow-Thru Heat Section for RPE Units

## Option 4- Gas Heat: Code 04= A

## Hi Turn Down Burner Diagrams

## Code 34= ****H*, ****T*, ****U*




**Detail: Orifice, Control Rod, Control Arm, Linkage, Plate**

# Section G- Blow-Thru Heat Section for RPE Units

## Option 4- Gas Heat: Code 04= A

## Hi Turn Down Burner Components

## Code 34= ****H*, ****T*, ****U*

| Ref. No. | Part Description | Burner Approval Code | | Qty. |
|---|---|---|---|---|
| | | C07=EU, EF, EI UL/ETL | C07= CC, CD ETL | |
| 102 | Burner Housing | | | |
| | 500- 1000 MBH Furnace | 059862103 | 059862103 | 1 |
| | 1100- 2000 MBH Furnace | 059862133 | 059862133 | 1 |
| 103 | Scroll | | | |
| | 500 thru 800 MBH Furnace | 096434806 | 096434806 | 1 |
| | 1000- 2000 MBH Furnace | 059862136 | 059862136 | 1 |
| 104 | Wheel- .5” bore, CCW | | | |
| | 500- 800 MBH Furnace | 034861102 | 034861102 | 1 |
| | 1000- 1500 MBH Furnace | 034249005 | 034249005 | 1 |
| | 2000 MBH Furnace | 034249004 | 034249004 | 1 |
| 105 | Motor- .25 HP, 115/60/1 | | | |
| | 500- 800 MBH Furnace | 034249200 | 034249200 | 1 |
| | 1000- 1500 MBH Furnace | 032248600 | 032248600 | 1 |
| | 2000 MBH Furnace | 032248400 | 032248400 | 1 |
| 106 | Gun Assembly | | | |
| | 500 MBH Furnace | 096414805 | 096414805 | 1 |
| | 640, 650 MBH Furnace | 096414806 | 096414806 | 1 |
| | 790, 800 MBH Furnace | 096414808 | 096414808 | 1 |
| | 1000 MBH Furnace | 096414810 | 096414810 | 1 |
| | 1100 MBH Furnace | 096414811 | 096414811 | 1 |
| | 1400 MBH Furnace | 096414812 | 096414812 | 1 |
| | 1500 MBH Furnace | 096414813 | 096414813 | 1 |
| | 2000 MBH Furnace | 096414814 | 096414814 | 1 |
| 107 | Inlet Funnel | | | |
| | 500- 800 MBH Furnace | 034743101 | 034743101 | 1 |
| | 1000- 2000 MBH Furnace | 034743102 | 034743102 | 1 |
| 108 | Fan Guard | 034742800 | 034742800 | 1 |
| 109 | Blast Tube | | | |
| | 500, 640 MBH Furnace | 034101703 | 034101707 | 1 |
| | 650- 1000 MBH Furnace | 034101707 | 034101707 | 1 |
| | 1100, 4000 MBH Furnace | 034101706 | 034101706 | 1 |
| | 1500, 2000 MBH Furnace | 035164701 | 035164701 | 1 |

# Section G- Blow-Thru Heat Section for RPE Units

## Option 4- Gas Heat: Code 04= A

## Hi Turn Down Burner Components, Continued

## Code 34= ****H*, ****T*, ****U*

| Ref. No. | Part Description | Burner Approval Code | | Qty. |
|---|---|---|---|---|
| | | C07=EU, EF, EI UL/ETL | C07= CC, CD ETL | |
| 110 | Orifice Assembly | | | |
| | 500 MBH Furnace | 096414705 | 096414725 | 1 |
| | 640 MBH Furnace | 096414706 | 096414726 | 1 |
| | 650 MBH Furnace | 096414707 | 096414727 | 1 |
| | 790, 800 MBH Furnace | 096414708 | 096414728 | 1 |
| | 1000 MBH Furnace | 096414710 | 096414730 | 1 |
| | 1100 MBH Furnace | 096414711 | 096414731 | 1 |
| | 1400 MBH Furnace | 096414712 | 096414732 | 1 |
| | 1500 MBH Furnace | 096414712 | 096414733 | 1 |
| | 2000 MBH Furnace | 096414714 | 096414734 | 1 |
| 113 | Gasket- Blast Tube | | | |
| | 500- 1000 MBH Furnace | 034102000 | 034102000 | 1 |
| | 1100- 2000 MBH Furnace | 034101900 | 034101900 | 1 |
| 114 | Air Box Assy | | | |
| | 500- 1000 MBH Furnace | 059862112 | 059862112 | 1 |
| | 1100- 2000 MBH Furnace | 059862142 | 059862142 | 1 |
| 116 | Plate- Actuator Scale | 059645001 | 059645001 | 1 |
| 117 | Gasket- Blower | 035019500 | 035019500 | 1 |
| 118 | Panel- Burner Box Cover | | | |
| | 500- 1000 MBH Furnace | 059388501 | 059388501 | 1 |
| | 1100- 2000 MBH Furnace | 059649401 | 059649401 | 1 |
| 119 | Ignition Wire Assy | | | |
| | 500- 1000 MBH Furnace | 034742902 | 034742902 | 1 |
| | 1100- 2000 MBH Furnace | 036518500 | 036518500 | 1 |
| 120 | Glass Cover- Burner | 036557000 | 036557000 | 1 |
| 121 | Support- Glass Cover | 036009600 | 036009600 | 1 |
| 144 | Grommet- Flat | 060017701 | 060017701 | 1 |
| 145 | Box- Conduit (500- 800 MBH only) | 036558800 | 036558800 | 1 |
| 295 | Motor- Actuator | 111047701 | 111047701 | 1 |
| 297 | Control Arm | | | |
| | 500- 1000 MBH Furnace | 059862114 | 059862114 | 1 |
| | 1100- 2000 MBH Furnace | 059862144 | 059862144 | 1 |
| 299 | Control Rod | | | |
| | 500- 1000 MBH Furnace | 059861101 | 059861101 | 1 |
| | 1100- 2000 MBH Furnace | 059650501 | 059650501 | 1 |
| 300 | Crank Arm | | | |
| | 500- 1000 MBH Furnace | 059645101 | 059645101 | 1 |
| | 1100- 2000 MBH Furnace | 023463200 | 023463200 | 1 |

# Section G- Blow-Thru Heat Section for RPE Units

## Option 4- Gas Heat: Code 04= A

## Hi Turn Down Burner Components, Continued

## Code 34= ****H*, ****T*, ****U*

| Ref. No. | Part Description | Burner Approval Code C07=EU, EF, EI UL/ETL | Burner Approval Code C07= CC, CD ETL | Qty. |
|---|---|---|---|---|
| 310 | Extension- Crank Arm | 059862110 | 059862110 | 1 |
| 318 | Bushing- Control Rod | 059861301 | 059861301 | 1 |
| 320 | Linkage | 096414901 | 096414901 | 1 |
| 321 | Plate- Adjustable | | | |
| | 500 MBH Furnace | 060086401 | 096422901 | 1 |
| | 640 MBH Furnace | 096417701 | 096417801 | 1 |
| | 650 MBH Furnace | 096416301 | 096416301 | 1 |
| | 790 MBH Furnace | 060097101 | 060097101 | 1 |
| | 800 MBH Furnace | 060097101 | 096422701 | 1 |
| | 1000 MBH Furnace | 060092401 | 060097301 | 1 |
| | 1100 MBH Furnace | 096422501 | 096422501 | 1 |
| | 1400 MBH Furnace Until 7/06 | 096422101 | 096422101 | 1 |
| | 1400 MBH Furnace 7/06 & Later | 096420201 | 096420201 | 1 |
| | 1500 MBH Furnace | 096420201 | 096420201 | 1 |
| | 2000 MBH Furnace | 096420301 | 096420301 | 1 |
| 322 | Plate- Profile | | | |
| | 500 MBH Furnace | 060086101 | 060086101 | 1 |
| | 640 MBH Furnace | 096417901 | 096417901 | 1 |
| | 650 MBH Furnace | 096415301 | 096418001 | 1 |
| | 790 MBH Furnace | 096416501 | 096416501 | 1 |
| | 800 MBH Furnace | 060096901 | 060097001 | 1 |
| | 1000 MBH Furnace | 060092601 | 060097201 | 1 |
| | 1100 MBH Furnace | 059648801 | 096422401 | 1 |
| | 1400 MBH Furnace | 096422201 | 096422301 | 1 |
| | 1500 MBH Furnace | 096419801 | 096419901 | 1 |
| | 2000 MBH Furnace | 096419701 | 096420001 | 1 |
| 323 | Plate- Slide Damper | | | |
| | 500 MBH Furnace | 060086301 | 060086301 | 1 |
| | 640, 650 MBH Furnace | 096417601 | 096417601 | 1 |
| | 790, 800, 1000 MBH Furnace | 060092501 | 060092501 | 1 |
| | 1100, 1400, 1500 MBH Furnace | 059649201 | 059649201 | 1 |
| | 2000 MBH Furnace | 096420401 | 096420501 | 1 |
| 324 | Box- Air | | | |
| | 500- 1000 MBH Furnace | 060092201 | 060092201 | 1 |
| | 1100- 2000 Furnace | 060092202 | 060092202 | 1 |
| 325 | Gasket- Air Box | | | |
| | 500- 1000 MBH Furnace | 060092301 | 060092301 | 1 |
| | 1100- 2000 Furnace | 096421701 | 096421701 | 1 |
| 328 | Grommet | 000498100 | 000498100 | 1 |
| 358 | Bearing- Sleeve | 046761000 | 046761000 | 2 |
| 375 | Grommet | | | |
| | 500- 1000 MBH Furnace | 059988700 | 059988700 | 1 |
| | 1100- 2000 Furnace | 059988800 | 059988800 | 1 |

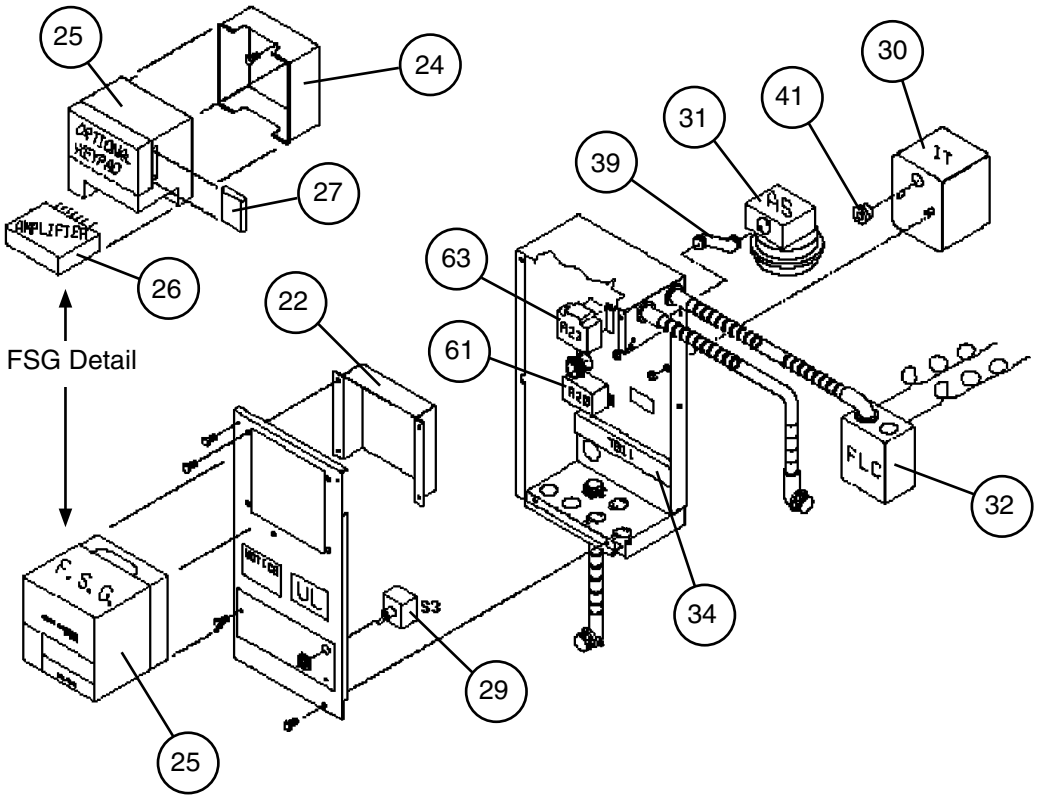
# Section G- Blow-Thru Heat Section for RPE Units

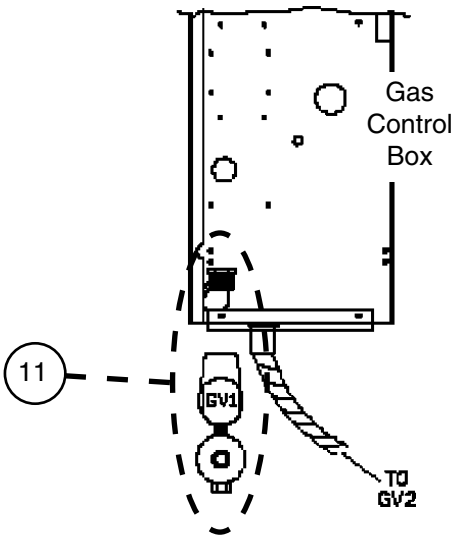
## Option 4- Gas Heat: Code 04= A

## Modulating Burner Controls: MicroTech II

## Code 12= *D, *S AND Code 34= ****E*, ****R*, ****S*

## Diagrams



# Section G- Blow-Thru Heat Section for RPE Units
## Option 4- Gas Heat: Code 04= A
## Modulating Burner Controls: MicroTech II
## Code 12= *D, *S AND Code 34= ****E*, ****R*, ****S*
## Components

| Ref. No. | Sch. Sym. | Part Description | Furnace MBH 200/250 | 320 | 400- 1000 | Qty. |
|---|---|---|---|---|---|---|
| 11 | GV1 | Pressure Reg. Assy. | 061530300 | 061530300 | 039742000 | 1 |
| | | Valve Only | 034077600 | 034077600 | 034077600 | 1 |
| | | Manual Cock Valve | 034077300 | 034077300 | not used | 1 |
| | | Solenoid Valve | not used | not used | 034488400 | 1 |
| 22 | | Support | 059388701 | 059388701 | not used | 1 |
| 24 | | Flame Safeguard Subbase | 073300702 | 073300702 | 073300702 | 1 |
| 25 | FSG | Flame Safeguard Until 4/07 | 073300801 | 073300801 | 073300801 | 1 |
| | | Flame Safeguard 4/07 & Later | 073300803 | 073300803 | 073300803 | 1 |
| 26 | | Amplifier | 073300901 | 073300901 | 073300901 | 1 |
| 27 | | Flame Safeguard T.D. 90 Sec. | | | | |
| | | Modulating Burner/UL Units | 073301002 | 073301002 | 073301002 | 1 |
| | | Flame Safeguard T.D. 30 Sec. | | | | |
| | | Modulating Burner/ETL | 073301001 | 073301001 | 073301001 | 1 |
| 29 | S3 | Toggle Switch- 4PST | 033536700 | 033536700 | 033536700 | 1 |
| 30 | IT | Ignition Transformer | 034482600 | 034482600 | 034482600 | 1 |
| 31 | | Air Switch- Gas Burner | 033003800 | 033003800 | 033003800 | 1 |
| 32 | FLC | Fan Limit Control Until 9/08 | 073337102 | 073337102 | 073337102 | 1 |
| | | Fan Limit Control 9/08 & Later | 193423703 | 193423703 | 193423703 | 1 |
| 34 | TB11 | Terminal Block- 14 Pole | 015998114 | 015998114 | 015998114 | 1 |
| 39 | | Fitting | 067297701 | 067297701 | 067297701 | 1 |
| 41 | | Bushing | 001242600 | 001242600 | 001242600 | 1 |
| 61 | R20 | Relay Until 1/10 | 061019403 | 061019403 | 061019403 | 1 |
| N/S | R20A | Relay 1/10 & Later | 349934764 | 349934764 | 349934764 | 1 |
| N/S | | Relay Socket | 349964702 | 349964702 | 349964702 | 1 |
| 63 | R23 | Pilot Relay Until 5/08 | 044465500 | 044465500 | 044465500 | 1 |
| | R23 | Pilot Relay 6/08 thru 1/10 | 019643000 | 019643000 | 019643000 | 1 |
| N/S | R23A | Pilot Relay 1/10 & Later, ETL only | 349934764 | 349934764 | 349934764 | 1 |
| N/S | | Mounting Adapter | 349964702 | 349964702 | 349964702 | 1 |
| N/S | R23B | Pilot Relay 1/10 & Later | 193454702 | 193454702 | 193454702 | 1 |
| N/S | | Relay Socket | 193454801 | 193454801 | 193454801 | 1 |

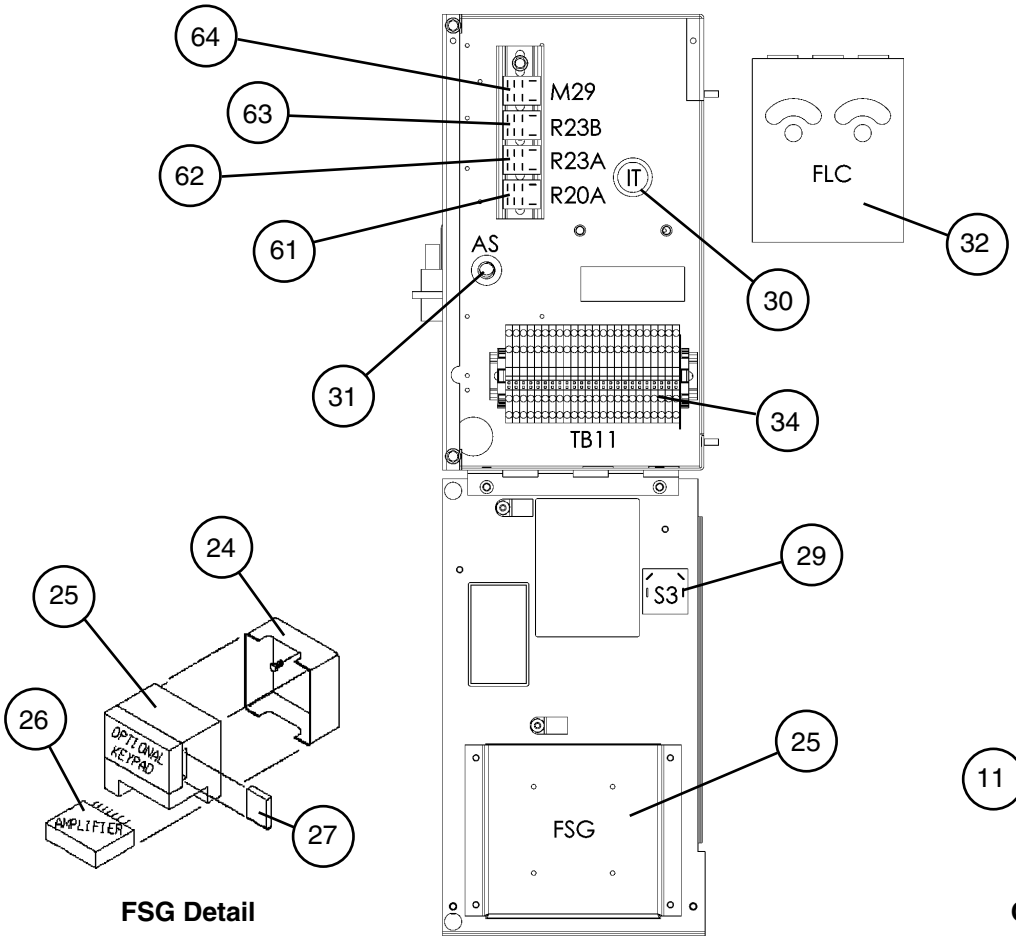
N/S= Not shown on diagram.

# Section G- Blow-Thru Heat Section for RPE Units

## Option 4- Gas Heat: Code 04= A

## Modulating Burner Controls: MicroTech III

## Code 12= *E, *F, *W AND Code 34= ****E*, ****R*, ****S*



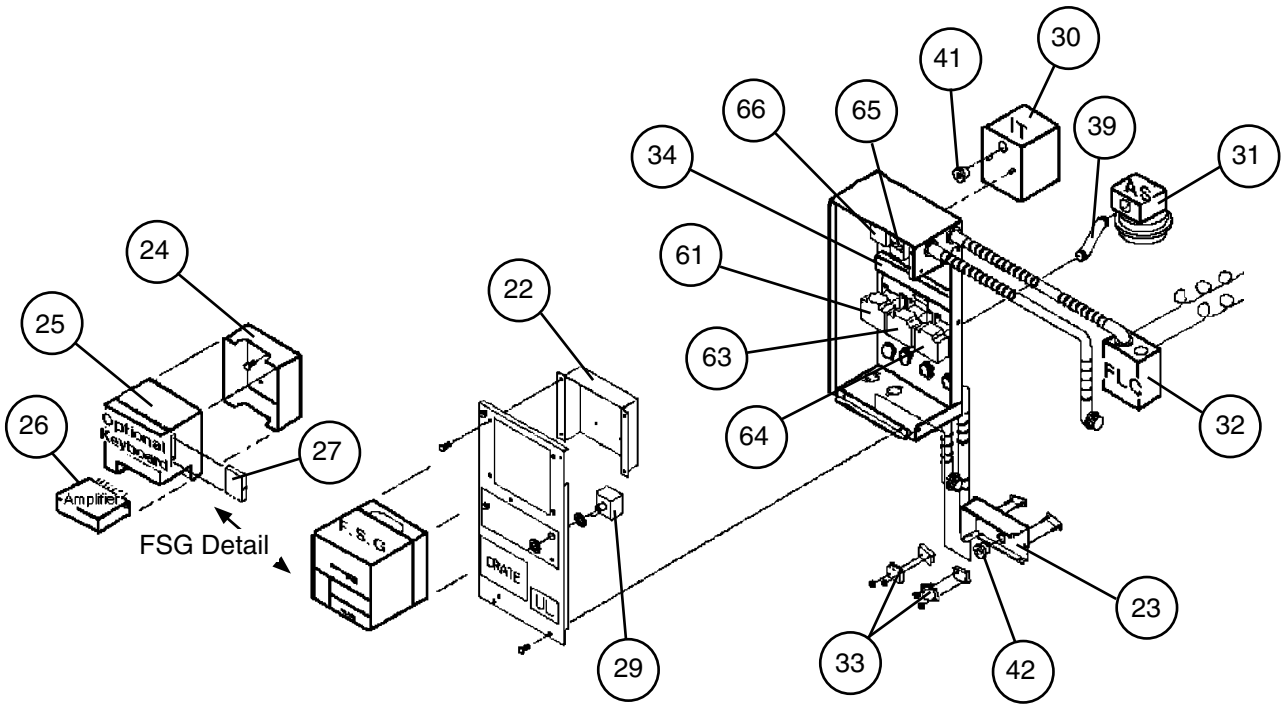

**FSG Detail**

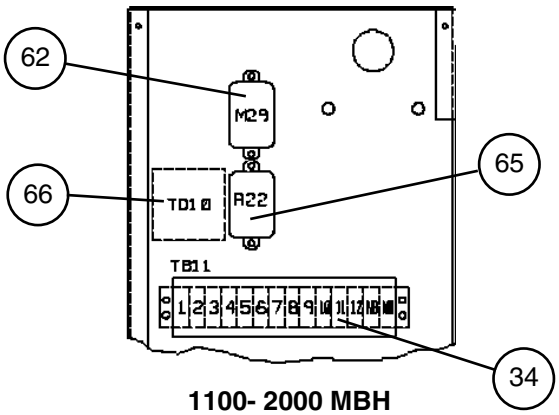
**Gas Valve Detail**

| Ref. No. | Sch. Sym. | Part Description | | Furnace MBH 500- 1000 | Furnace MBH 1100- 2000 | Qty. |
|---|---|---|---|---|---|---|
| 11 | GV1 | Pressure Reg. Assy | | 039742000 | 039742000 | 1 |
| | | Valve Only | | 034077600 | 034077600 | 1 |
| | | Solenoid Valve | | 034488400 | 034488400 | 1 |
| 24 | | Flame Safeguard Subbase | | 073300702 | 073300702 | 1 |
| 25 | FSG | Flame Safeguard | | 073300803 | 073300803 | 1 |
| 26 | | Amplifier | | 073300901 | 073300901 | 1 |
| 27 | | Flame Safeguard T.D. 90 Sec. | UL Units | 073301002 | 073301002 | 1 |
| | | Flame Safeguard T.D. 30 Sec. | ETL Units | 073301001 | 073301001 | 1 |
| 29 | S3 | Toggle Switch- 4PST: S3 | | 033536700 | 033536700 | 1 |
| 30 | IT | Ignition Transformer | | 034482600 | 034482600 | 1 |
| 31 | AS | Air Switch- Gas Burner | | 033003800 | 033003800 | 1 |
| 32 | FLC | Fan Limit Control | | 193423703 | 193423703 | 1 |
| 34 | TB11 | Terminal Block- 14 Pole | | 015998114 | 015998114 | 1 |
| | | Jumper- Terminal Block | | 001354100 | 001354100 | 1 |
| 61 | R20A | Relay- High Amp | DPDT/120V | 349934764 | 349934764 | 1 |
| 62 | R23A | Relay- High Amp | DPDT/120V | 349934764 | 349934764 | 1 |
| 63 | R23B | Relay- Low Amp | DPDT/120V | 193424341 | 193424341 | 1 |
| 64 | M29 | Contactor- Motor | DPDT/120V | not used | 349934764 | 1 |

# Section G- Blow-Thru Heat Section for RPE Units

## Option 4- Gas Heat: Code 04= A
## Hi Turn Down Burner Controls: MicroTech II
## Code 12= *D, *S AND Code 34= ****H*, ****T*, ****U*
## Diagrams




**1100- 2000 MBH**
**Panel Detail**

# Section G- Blow-Thru Heat Section for RPE Units

## Option 4- Gas Heat: Code 04= A

## Hi Turn Down Burner Controls: MicroTech II

## Code 12= *D, *S AND Code 34= ****H*, ****T*, ****U*

## Components

| Ref. No. | Sch. Sym. | Part Description | | Furnace MBH 500- 1000 | Furnace MBH 1100- 2000 | Qty. |
|---|---|---|---|---|---|---|
| 22 | | Support | | 059388701 | 059388701 | 1 |
| 23 | | Support | | 059388601 | 059649701 | 1 |
| 24 | | Subbase- Flame Safeguard | | 073300702 | 073300702 | 1 |
| 25 | FSG | Control- Flame Safeguard | | 073300801 | 073300801 | 1 |
| 26 | | Amplifier | | 073300901 | 073300901 | 1 |
| 27 | | Time Delay- Flame Safeguard | | 073301003 | 073301003 | 1 |
| 29 | S3 | Switch- Toggle | | 033536700 | 033536700 | 1 |
| 30 | IT | Transformer- Ignition | | 034482600 | 034482600 | 1 |
| 31 | AS | Switch- Air | | 033003800 | 033003800 | 1 |
| 32 | FLC | Control- Fan Limit | until 9/08 | 073337102 | 073337102 | 1 |
| | | Control- Fan Limit | 9/08 & later | 193423703 | 193423703 | 1 |
| 33 | LS1/LS2 | Switch- Limit | | 059975301 | 059975301 | 2 |
| 34 | TB11 | Terminal Block | | 015998114 | 015998114 | 1 |
| 39 | | Fitting | | 067297701 | 067297701 | 1 |
| 41 | | Bushing | | 001242600 | 001242600 | 1 |
| 42 | | Bushing | | 049751901 | 049751901 | 1 |
| 61 | R20 | Relay, 24V/DPDT | | 016508002 | 016508002 | 1 |
| N/S | R20A | Relay 120V | 1/10 & Later | 349934764 | 349934764 | 1 |
| N/S | | Mounting Adapter | | 349964702 | 349964702 | 1 |
| N/S | R20B | Relay 120V | 1/10 & Later | 193454702 | 193454702 | 1 |
| | | Relay Socket | | 193454801 | 193454801 | 1 |
| 62 | M29 | Contactor- Motor | | not used | 027400700 | 1 |
| 63 | R23 | Relay- 120V/DPDT | 3/10 & Earlier | 019643000 | 019643000 | 1 |
| N/S | R23B | Relay- 120VSPST | 4/10 & Later | 193454702 | 193454702 | 1 |
| | | Relay Socket | | 193454801 | 193454801 | 1 |
| 64 | R21 | Relay- 120V/DPDT | 3/10 & Earlier | 019643000 | 019643000 | 1 |
| 64 | R21 | Relay- 120V/DPDT | 4/10 & Later | 193454702 | 193454702 | 1 |
| | | Relay Socket | | 193454801 | 193454801 | 1 |
| 65 | R22 | Relay- 120VSPST | 3/10 & Earlier | 027400700 | 027400700 | 1 |
| 65 | R22 | Relay- 120VSPST | 4/10 & Later | 349964764 | 349964764 | 1 |
| N/S | | Mounting Adapter | | 349964702 | 349964702 | 1 |
| 66 | TD10 | Relay- Time Delay 20.0 Sec. | | 028210106 | 028210106 | 1 |

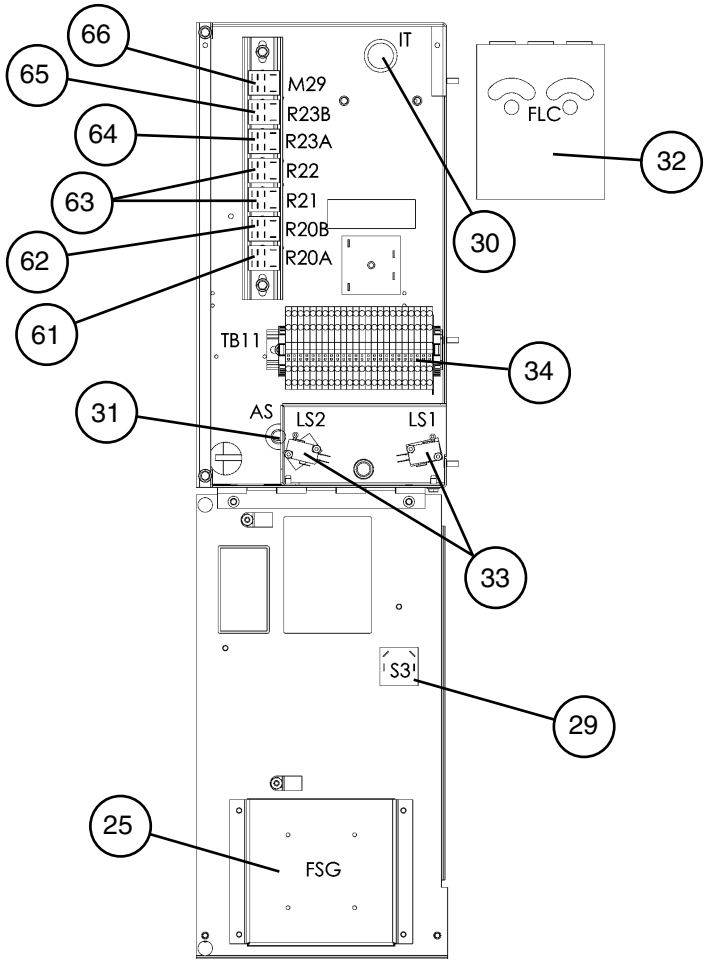
N/S= Not shown on diagram.

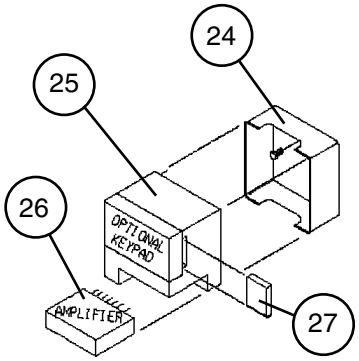
# Section G- Blow-Thru Heat Section for RPE Units

## Option 4- Gas Heat: Code 04= A

## Hi Turn Down Burner Controls: MicroTech III

## Code 12= *E, *F, *W AND Code 34= ****H*, ****T*, ****U*



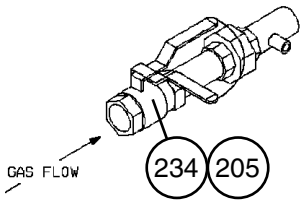

**FSG Detail**

| Ref. No. | Sch. Sym. | Part Description | | Furnace MBH 500- 1000 | Furnace MBH 1100- 2000 | Qty. |
|---|---|---|---|---|---|---|
| 24 | | Subbase- Flame Safeguard | | 073300702 | 073300702 | 1 |
| 25 | FSG | Control- Flame Safeguard | | 073300801 | 073300801 | 1 |
| 26 | | Amplifier | | 073300901 | 073300901 | 1 |
| 27 | | Time Delay- Flame Safeguard | | 073301002 | 073301002 | 1 |
| 29 | S3 | Switch- Toggle | | 033536700 | 033536700 | 1 |
| 30 | IT | Transformer- Ignition | | 034482600 | 034482600 | 1 |
| 31 | AS | Switch- Air | | 033003800 | 033003800 | 1 |
| 32 | FLC | Control- Fan Limit | | 193423703 | 193423703 | 1 |
| 33 | LS1, LS2 | Switch- Limit | | 059975301 | 059975301 | 2 |
| 34 | TB11 | Terminal Block | | 015998114 | 015998114 | 1 |
| | | Jumper- Terminal Block | | 001354100 | 001354100 | 1 |
| 61 | R20A | Relay- High Amp | DPDT/120V | 349934764 | 349934764 | 1 |
| 62 | R20B | Relay- Low Amp | DPDT/120V | 193424341 | 193424341 | 1 |
| 63 | R21, 22 | Relay- Low Amp | DPDT/120V | 193424341 | 193424341 | 1 |
| 64 | R23A | Relay- High Amp | DPDT/120V | not used | 349934764 | 1 |
| 65 | R23B | Relay- Low Amp | DPDT/120V | not used | 193424341 | 1 |
| 66 | M29 | Relay- High Amp | DPDT/120V | not used | 349934764 | 1 |

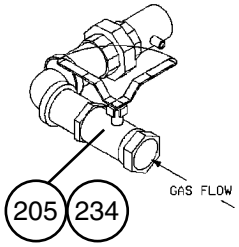
# Section G- Blow-Thru Heat Section for RPE Units

## Option 4- Gas Heat: Code 04= A
## Gas Train Inlet- Modulating Burner
## Code 34= ****E*, ****R*, ****S*

### Units without Pressure Regulator Valve
### Code 34= ****E*



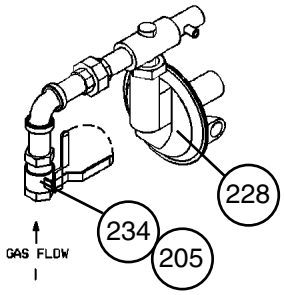

500- 1500 MBH



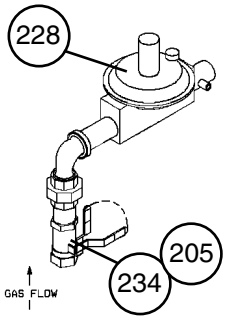

2000 MBH

| Ref. No. | Part Description | Part Number | Qty. |
|---|---|---|---|
| 205 | Shutoff Valve | | |
| | 500- 2000 MBH | 034077300 | 1 |
| 234 | Gas Valve | | |
| | 500 MBH | 059468802 | 1 |
| | 640- 1000 MBH | 059468803 | 1 |
| | 1100- 1500 MBH | 059468804 | 1 |
| | 2000 MBH | 059468805 | 1 |

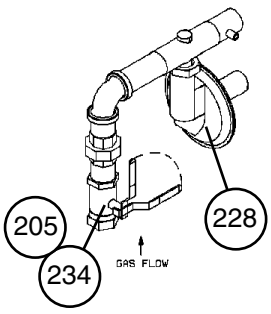
### Units with Pressure Regulator Valve
### Code 34= ****R*, ****S*



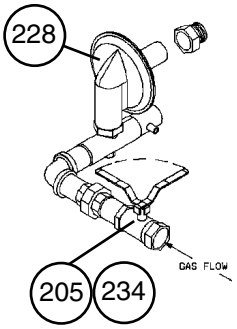

500, 640, 650 or 800 MBH Furnaces



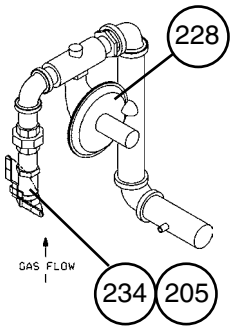

1000 MBH Furnaces




1100, 1400 MBH Furnaces




1500 MBH Furnaces




2000 MBH Furnaces

| Ref. No. | Part Description | Pressure Regulator 2- 3 PSI [1] | Pressure Regulator 5- 10 PSI [2] | Qty. |
|---|---|---|---|---|
| 205 | Shutoff Valve | 034077300 | 034077300 | 1 |
| 228 | Pressure Regulator | | | |
| | 500 MBH | 036619914 | 036619915 | 1 |
| | 640, 650 MBH | 036619923 | 036619925 | 1 |
| | 790, 800 MBH | 036619922 | 036619924 | 1 |
| | 1000 MBH | 073387201 | 036619923 | 1 |
| | 1100 MBH | 073387302 | 036619923 | 1 |
| | 1400 MBH | 073387301 | 073387303 | 1 |
| | 1500 MBH | 073387301 | 073387302 | 1 |
| | 2000 MBH | 073387306 | 073387301 | 1 |
| 234 | Gas Valve | | | |
| | 500 MBH | 073387402 | 073387402 | 1 |
| | 640- 1500 MBH | 073387403 | 073387403 | 1 |
| | 2000 MBH | 073387404 | 073387403 | 1 |

[1] Code 34= ****R*.
[2] Code 34= ****S*.

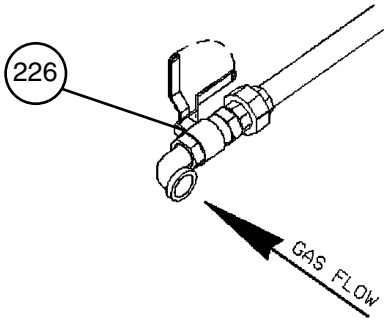
# Section G- Blow-Thru Heat Section for RPE Units

## Option 4- Gas Heat: Code 04= A

## Gas Train Inlet- Hi Turn Down Burner

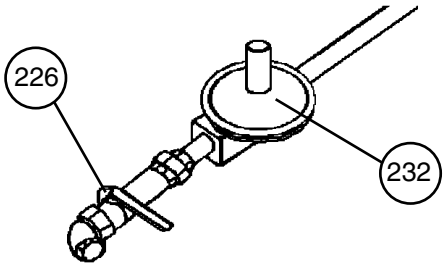
## Code 34= ****H*, ****T*, ****U*

### Units without Pressure Regulator Valve
### Code 34= ****H*




| Ref. No. | Part Description | Part Number | Qty. |
|---|---|---|---|
| 226 | Gas Valve | | |
| | 400, 500 MBH | 059468802 | 1 |
| | 640- 1000 MBH | 059468803 | 1 |
| | 1100- 1500 MBH | 059468804 | 1 |
| | 2000 MBH | 059468805 | 1 |

### Units with Pressure Regulator Valve
### Code 34= ****T*, ****U*




| Ref. No. | Part Description | Pressure Regulator | | Qty. |
|---|---|---|---|---|
| | | 2- 3 PSI [1] | 5- 10 PSI [2] | |
| 226 | Shutoff Valve | | | |
| | 500 MBH | 073387402 | 073387402 | 1 |
| | 640- 1500 MBH | 073387403 | 073387403 | 1 |
| | 2000 MBH | 073387404 | 073387403 | 1 |
| 232 | Pressure Regulator | | | |
| | 500 MBH | 036619914 | 036619915 | 1 |
| | 640, 650 MBH | 036619923 | 036619925 | 1 |
| | 790, 800 MBH | 036619922 | 036619924 | 1 |
| | 1000 MBH | 073387201 | 036619923 | 1 |
| | 1100 MBH | 073387202 | 036619923 | 1 |
| | 1400 MBH | 073387301 | 073387303 | 1 |
| | 1500 MBH | 073387301 | 073387302 | 1 |
| | 2000 MBH | 073387306 | 073387301 | 1 |

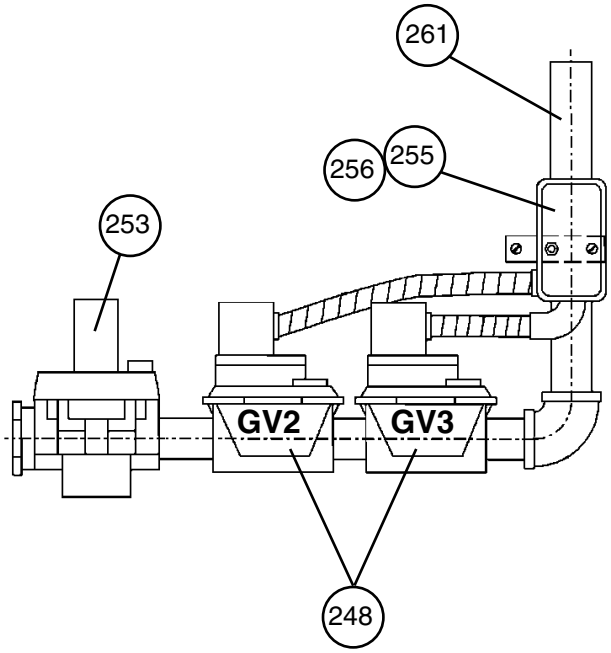
[1] Code 34= ****T*.
[2] Code 34= ****U*.

# Section G- Blow-Thru Heat Section for RPE Units

## Option 4- Gas Heat: Code 04= A

## Modulating Burner Gas Train Controls GV2, GV3

## Code 34= ****E*, ****R*, ****S*




| Ref. No. | Part Description | Part Number | Qty. |
|---|---|---|---|
| 248 | Gas Valve (GV2, GV3) | | |
| | 500 MBH | 073387801 | 2 |
| | 640- 1000 MBH | 073387802 | 2 |
| | 1100- 1500 MBH | 073387803 | 2 |
| | 2000 MBH | 073387804 | 2 |
| 253 | Pressure Regulator | | |
| | 500 MBH | 034078100 | 1 |
| | 640- 1000 MBH | 034077804 | 1 |
| | 1100- 1500 MBH | 034077802 | 1 |
| | 2000 MBH | 034077803 | 1 |
| 255 | Junction Box | 020766100 | 1 |
| 256 | Junction Box Cover | 000127300 | 1 |
| 261 | Gas Pipe | | |
| | Modulating Burner | | |
| | 500 MBH | 055964002 | 1 |
| | 640 MBH | 055964108 | 1 |
| | 650, 790 MBH | 055964103 | 1 |
| | 800, 1000 MBH | 055964102 | 1 |
| | 1100, 1400 MBH | 031326400 | 1 |
| | 1500 MBH | 056010902 | 1 |
| | 2000 MBH | 056011208 | 1 |

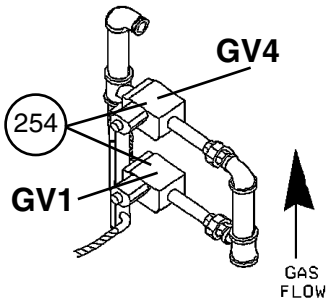
# Section G- Blow-Thru Heat Section for RPE Units

## Option 4- Gas Heat: Code 04= A

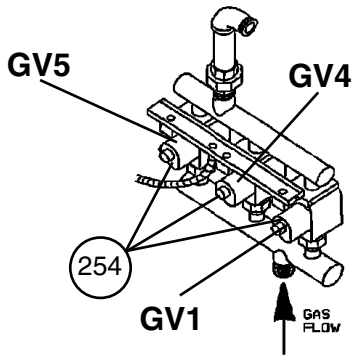
## Hi Turn Down Burner Gas Train Controls GV1, GV4, GV5, GV6, GV7, GV8

## Code 34= ****H*, ****T*, ****U*

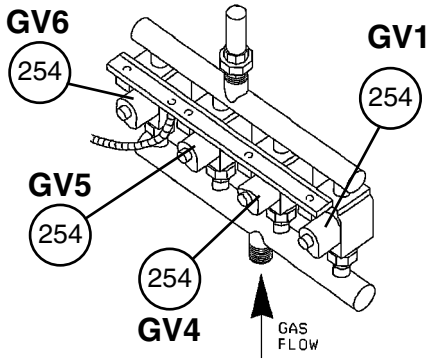
**500 - 650 MBH Furnaces**



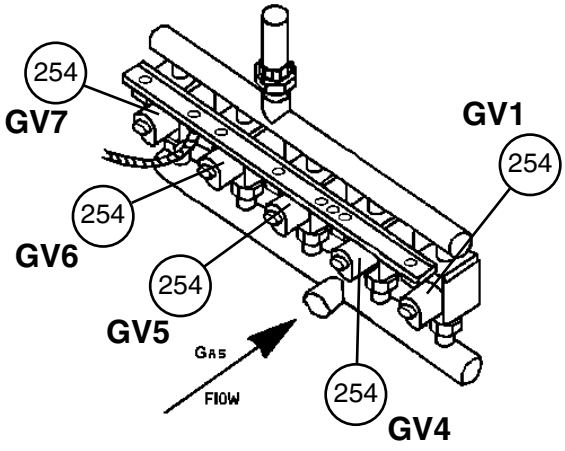

**790 - 1000 MBH Furnaces**



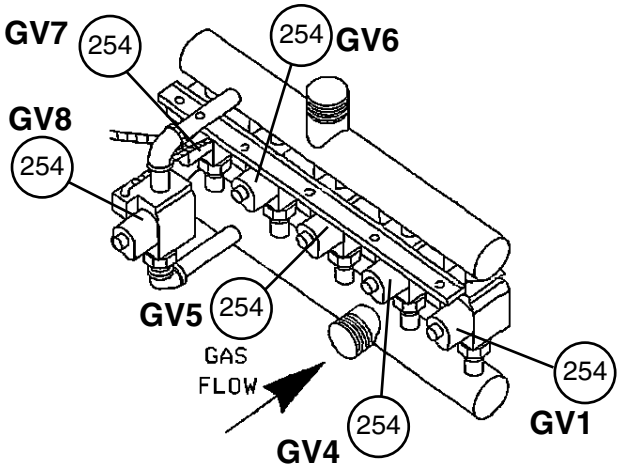

**1100 MBH Furnaces**




**1400, 1500 MBH Furnaces**



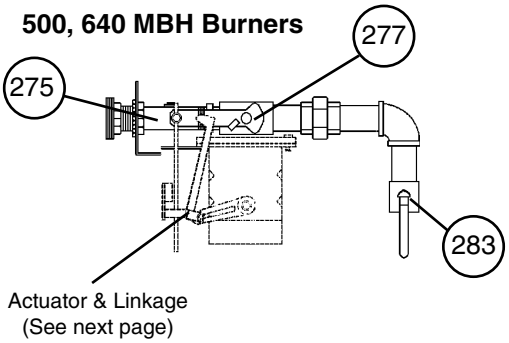

**2000 MBH Furnaces**



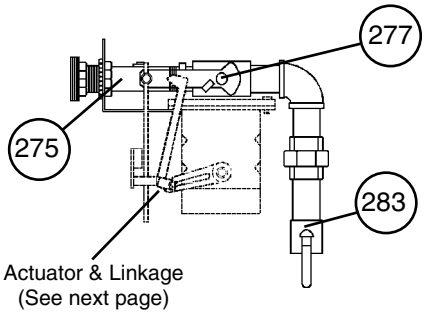

| Ref. No. | Part Description | Part Number | Qty. |
|---|---|---|---|
| 254 | Gas Valve (GV1, GV4) | | |
| | 400- 650 MBH | 073336504 | 2 |
| | Gas Valve (GV1, GV4, GV5) | | |
| | 790- 1000 MBH | 073336504 | 3 |
| | Gas Valve (GV1, GV4, GV5, GV6) | | |
| | 1100 MBH | 073336504 | 4 |
| | Gas Valve (GV1, GV4, GV5, GV6, GV7) | | |
| | 1400, 1500 MBH | 073336504 | 5 |
| | Gas Valve (GV1, GV4, GV5, GV6, GV7, GV8) | | |
| | 2000 MBH | 073336504 | 6 |

# Section G- Blow-Thru Heat Section for RPE Units
## Option 4- Gas Heat: Code 04= A
## Gas Train- Outlet

**500, 640 MBH Burners**



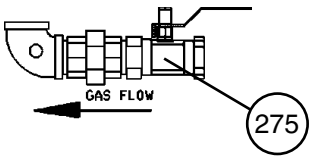

**650- 2000 MBH Burners**



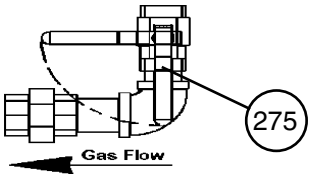

**Modulating Burners**
**Code 34= ****E*, ****R*, ****S***

| Ref. No. | Part Description | Part Number | Qty. |
|---|---|---|---|
| 275 | Pipe w/ Valve Mount | | |
| | 500 MBH | 035019800 | 1 |
| | 640- 1000 MBH | 036235500 | 1 |
| | 1100, 1400 MBH | 035019900 | 1 |
| | 1500, 2000 MBH | 036235600 | 1 |
| 277 | Butterfly Valve | | |
| | 500 MBH | 034488303 | 1 |
| | 640- 1400 MBH | 034488304 | 1 |
| | 1500, 2000 MBH | 034488305 | 1 |
| 283 | Shutoff Valve | | |
| | 500 MBH | 059468802 | 1 |
| | 640- 800 MBH | 059468803 | 1 |
| | 1000 MBH UL | 058968804 | 1 |
| | 1000 MBH ETL | 059468803 | 1 |
| | 1100- 1500 MBH | 059468804 | 1 |
| | 2000 MBH | 059468805 | 1 |

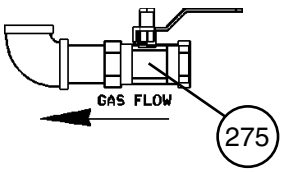
**650, 2000 MBH Burners**




**500, 640 MBH Burners**




**790- 1500 MBH Burners**




**Hi Turn Down Burners**
**Code 34= ****H*, ****T*, ****U***

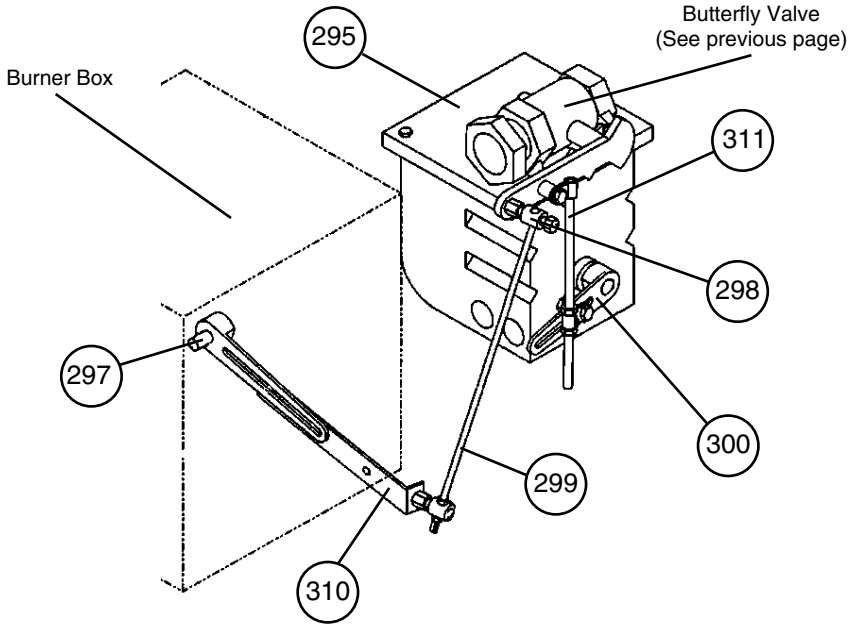
| Ref. No. | Part Description | Part Number | Qty. |
|---|---|---|---|
| 275 | Gas Valve | | |
| | 500 MBH | 059468802 | 1 |
| | 640- 1000 MBH | 059468803 | 1 |
| | 1100- 1500 MBH | 059468804 | 1 |
| | 2000 MBH | 059468805 | 1 |

# Section G- Blow-Thru Heat Section for RPE Units

## Option 4- Gas Heat: Code 04= A

## Gas Train- Modulating Burners w/ VM1 Actuator (09/08 & Earlier) [1]

## Code 34= ****E*, ****R*, ****S*




| Ref. No. | Part Description | Furnace MBH 500- 650 | 790- 1000 | 1100, 1400 | 1500, 2000 | Qty. |
|---|---|---|---|---|---|---|
| 295 | Actuator Motor | 111047701 | 111047701 | 111047701 | 111047701 | 1 |
| 297 | Crank Arm | 034250600 | 034250600 | 034250600 | 034250600 | 1 |
| 298 | Ball Joint | 034250500 | 034250500 | 034250500 | 034250500 | 2 |
| 299 | Linkage Arm | 058598401 | 058598401 | 059371601 | 059368701 | 1 |
| 300 | Crank Arm | 023463200 | 023463200 | 023463200 | 023463200 | 1 |
| 310 | Air Damper Lever Arm | 059365001 | 058598101 | 058598101 | not used | 1 |
| 311 | Gas Valve Arm | 058598601 | 058598601 | 058598601 | 058598601 | 1 |

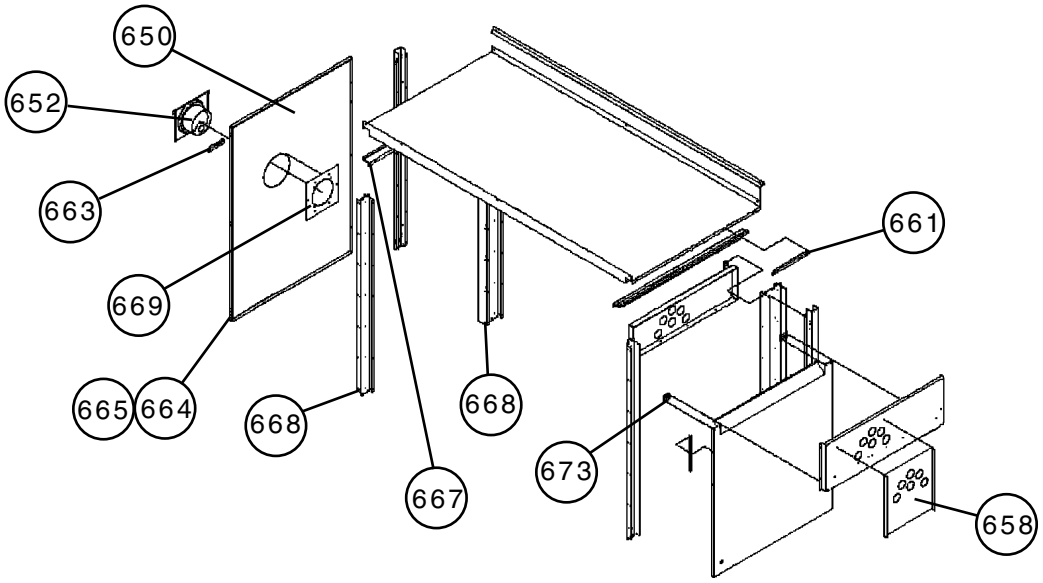
[1] For units built 10/08 & Later contact Daikin Applied with model and serial number information so that the correct part(s) can be identified.

# Section G- Blow-Thru Heat Section for RPE Units

## Option 4- Gas Heat w/ 320MBH thru 1000 MBH Furnace

## Code 04= A AND Code 34= 050***,064***,065***,079***,080***, 100***, 110***, 140***

## Cabinet Doors, Gasketing, Hardware, & Flue Box Mounting




| Ref. No. | Part Description | Part Number | Qty. |
|---|---|---|---|
| 650 | Door Assembly | | |
| | 500, 640 MBH | 096181451 | 1 |
| | 650, 790 MBH | 096181442 | 1 |
| | 800, 1000 MBH | 096181453 | 1 |
| | 1100, 1400 MBH | 096181444 | 1 |
| 652 | Inspection Door Assy. [1] | 034095801 | 1 |
| 658 | Back- Flue Box | | |
| | 500, 640 MBH | 403399801 | 1 |
| | 650, 790 MBH | 403400201 | 1 |
| | 800, 1000 MBH | 403400401 | 1 |
| | 1100, 1400 MBH | 403400701 | 1 |
| 661 | Angle- Flue Box | | |
| | 500, 640 MBH | 403399901 | 1 |
| | 650, 790 MBH | 403400101 | 1 |
| | 800, 1000 MBH | 403400501 | 1 |
| | 1100, 1400 MBH | 403400801 | 1 |
| 663 | Drip Shield | 033487300 | 1 |
| 664 | Sleeve Bearing | 047138507 | 3 |
| 665 | Door Catch | 055502602 | 3 |
| 667 | Gasket | 055921409 | 2 |
| 668 | Gasket | 055921410 | 2 |
| 669 | Gasket- Inspection Door | 031949200 | 1 |
| 673 | Hinge | 034005900 | 2 |

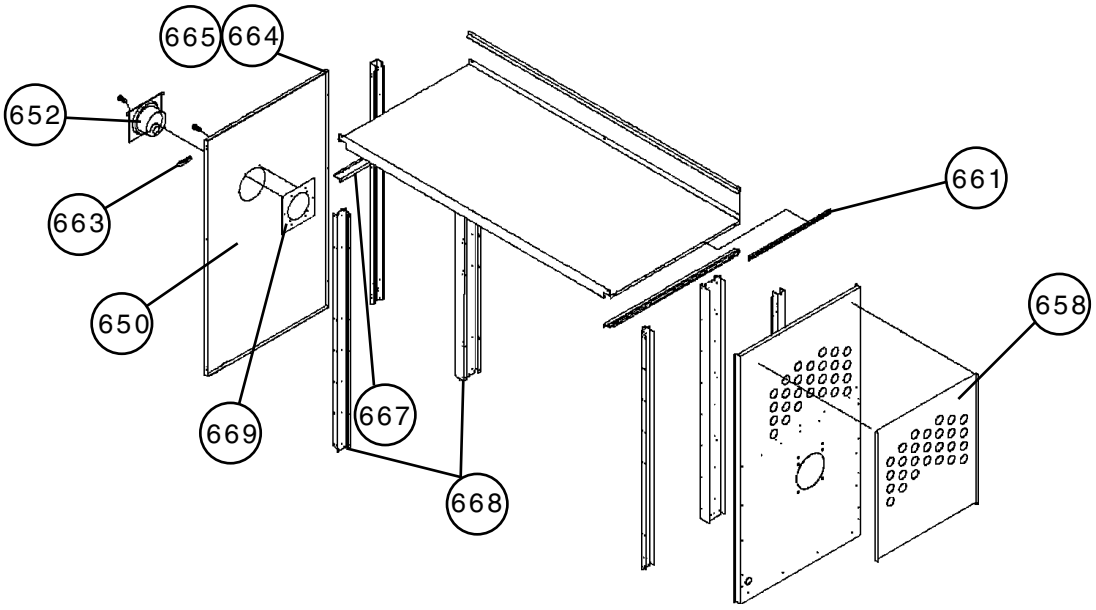
[1] Note that individual parts of the Inspection Door Assembly are not available separately.

# Section G- Blow-Thru Heat Section for RPE Units

## Option 4- Gas Heat w/ 1500 MBH & 2000 MBH Furnace

## Code 04= A AND Code 34= 150***, 200***

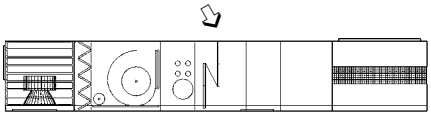
## Cabinet Doors, Gasketing, Hardware, & Flue Box Mounting




| Ref. No. | Part Description | Part Number | Qty. |
|---|---|---|---|
| 650 | Door Assembly | 096181445 | 1 |
| 652 | Inspection Door Assy. [1] | 034095801 | 1 |
| 658 | Back- Flue Box | 403401001 | 1 |
| 661 | Angle- Flue Box | 055945001 | 1 |
| 663 | Drip Shield | 033487300 | 1 |
| 664 | Sleeve Bearing | 047138507 | 3 |
| 665 | Door Catch | 055502602 | 3 |
| 667 | Gasket | 055921409 | 2 |
| 668 | Gasket | 055921410 | 2 |
| 669 | Gasket- Inspection Door | 031949200 | 1 |

[1] Note that individual parts of the Inspection Door Assembly are not available separately.

# Section H- Blow-Thru Heat Blank Access Section
## Notes, Access Door Hardware, & Section Mounted Controls



## Notes

Primary Codes that pertain: 34, 38
Additional Codes that pertain: 06

Code 34 determines the Blow-thru Heat Section (Section G). There has to be a Section G in order for there to be a Section H, therefore Code 34 cannot= YYYYYY.

Code 38 determines all of the section characteristics. If Code 38= B, F there is a 48" Blow-Thru Blank Section. If Code 38= E there is a 24" Blow-Thru Blank Section. If Code 38= Y, there is no Section.

Code 06 determines the liners and insulation, and will affect the final assembly panels. **For sheet metal components that make up the Blow-Thru Heat Blank Access Section, contact Daikin Applied to ensure that correct liners, insulation and hardware are ordered.** Note that the Access Door Hardware part numbers listed below are the same for ALL RPE and RDE units regardless of the particular section's function or location EXCEPT for the Vestibule/ Access Section. See Section L for Vestibule/Access Section Door hardware.

**Section H pertains to the RPE, but not the RDE.**

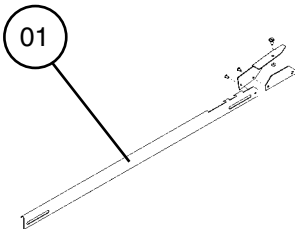
## Access Door Latching Assemblies (All Sections)

| Ref. No. | Part Description | Part Number | Qty. |
|---|---|---|---|
| 01 | Access Door Latching Assy., LH | 111242221 [1] | 1 |
| 02 | Access Door Latching Assy., RH | 111242222 [1] | 1 |
| N/S | Sleeve Bearing | 047138507 | 8 |
| N/S | Door Catch | 055502602 | 8 |
| N/S | Gasket- Horizontal | 055921408 [2] | 4 |
| N/S | Gasket- Vertical | 055921411 | 4 |

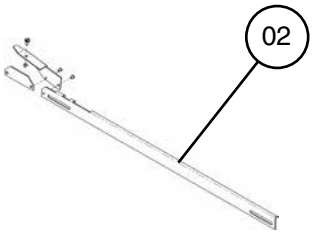
N/S= Not Shown on diagram.

[1] These Door Latching Assemblies are used on Standard Unit Section Access Doors. When replacing a Latch Assembly, first determine the handing of the door. Door handing is dependent upon the door's location on the unit. For Handing identification, refer to the drawings below. If unable to determine the hand of the door, contact Daikin Applied with model and serial information AND the location of the door.

[2] If the unit is split at the Fan and Heat Sections (Code 05= F) use p/n 055921409.

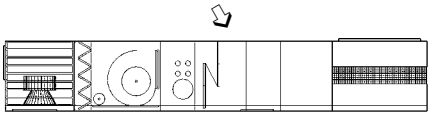



**Door Latching Assy. Left Hand**




**Door Latching Assy. Right Hand**

# Section I- Blow-Thru Cooling Section
## Notes & Section Mounted Controls



## Notes

Primary Codes that pertain: 03, 35, 36
Additional Codes that pertain: 06

Code 03 determines the Cooling Coil size. If Code 03= S there is a small face area Coil (24" section for unit sizes 076 thru 100C, or normally a 48" section for unit size 110C although some units may have a 24" section installed). Small face area Coils are not available on 130 thru 150C unit sizes. If Code 03= L it is a large face area Coil (48" section for unit sizes 076 thru 100C, or 24/48" for unit sizes 110 thru 150C).

Code 35 determines if there is a Section I. If Code 35= YYYY, then there is no Section. If the code is CYYY, CYYS then there is a unit Cooling Coil and Drain Pan. An "S" in the fourth position of this code means the Drain Pan is stainless steel. A "Y" in the fourth position indicates that the Drain Pan is made of painted galvanized steel.

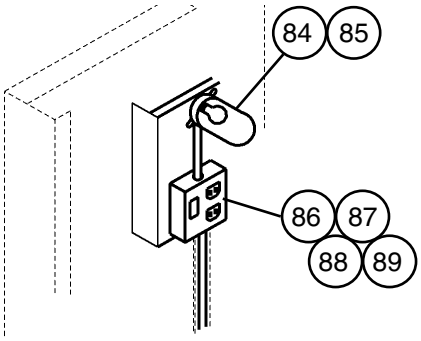
Code 36 determines Cooling Coil characteristics.

Code 06 determines the liners and insulation, and will affect the final assembly panels. **For sheet metal components that make up the Blow-Thru Cooling Section, contact Daikin Applied to ensure that correct liners, insulation and hardware are ordered. For Standard Door Latching Assemblies, see Section H- Blow-Thru Heat Blank Access Section.**

**Section I pertains to the RPE, but not the RDE.**

**NOTE: See Section D for all parts used in Section I. Although the section location is different within the unit configuration, the components are identical.**

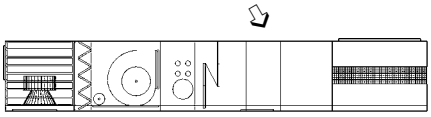
## Section Mounted Controls




**LT16- Blow-Thru Cooling Section Light/S16- Blow-Thru Cooling Light Switch/ REC16- Blow-Thru Cooling Section Receptacle**

| Ref. No. | Part Description | Part Number | Qty. |
|---|---|---|---|
| 84 | Light Fixture | 042229500 | 1 |
| 85 | Bulb- LT16 | 065492402 | 1 |
| 86 | Junction Box | 065491901 | 1 |
| 87 | Junction Box Cover | 065492001 | 1 |
| 88 | Light Switch- S16 | 065492201 | 1 |
| 89 | Receptacle- REC16 | 030187000 | 1 |

# Section J- Final Filter Section
## Notes & Section Mounted Controls



## Notes

Primary Codes that pertain: 39
Additional Codes that pertain: 04, 33 (Mid 2012 & Later), 34

Code 39 determines all of the Section characteristics. If Code 39= A, B, E, F there is a Final Filter Section with factory supplied Filters. If Code 39= C, D there is a blank/empty compartment. If Code 39= Y, there is no Section. In order for there to be a Section J, Code 34 CANNOT be YYYYYY AND Code 35 MUST be YYYY (no Blow-Thru Coil Section).

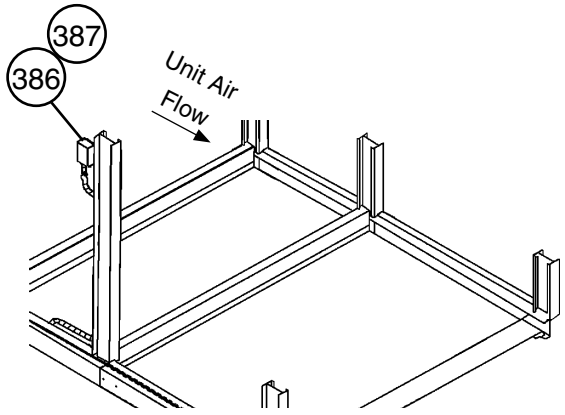
Codes 04 and 34 determine what type of heat the unit uses. The type of heat influences the filter media and associated parts.

Code 33 (Mid 2012 & Later) indicates the presence of Magnehelic/Differential Pressure Gauges. See Section B (Filter Section) for Gauge part numbers and descriptions.

**Section J pertains to the RPE, but not the RDE.**

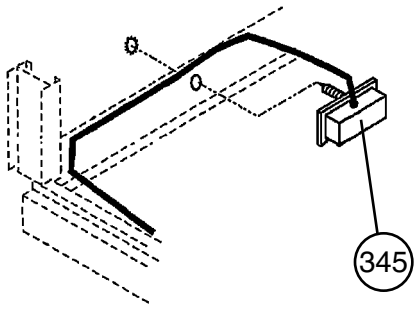
## Section Mounted Controls
## HL23 Gas Hi Limit Control: Code 04= A AND Code 39= A, B, C, D, E, F
## PC6 Clogged Filter Control: Code 39= A, B, E, F

**Control HL23**
**Gas Heat Hi-Limit (Firestat)**



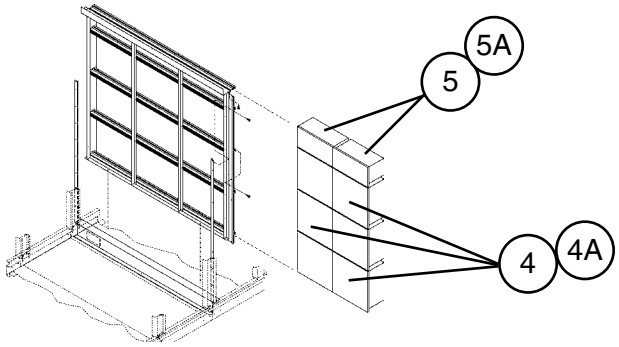

| Ref. No. | Part Description | Part Number | Qty. |
|---|---|---|---|
| 386 | Stat Support | 058379401 | 1 |
| 387 | Firestat- HL23 | 047938804 | 1 |

**Clogged Filter Pressure Switch- PC6**




| Ref. No. | Part Description | Part Number | Qty. |
|---|---|---|---|
| 345 | Pressure Ctl.- PC6 | 065493801 | 1 |

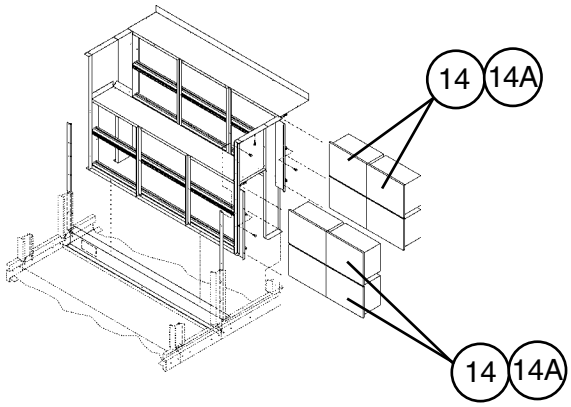
# Section J- Final Filter Section
## Filters




### Flat Filter Rack- Code 39= A, E

| Ref. No. | Part Description | | Code 04= | Code 25 [1]= | Part Number | Qty. |
|---|---|---|---|---|---|---|
| 4 | Filter- 95% Eff- Cartridge [2] | High Heat [4] | A, E | A | 073381102 | 12 |
| | Filter- 95% Eff- Cartridge [2] | Standard [4] | S, W | A | 065810702 | 12 |
| 4A | Gasket- Filter | High Heat [4] | A, E | A | 073337024 | 12 |
| | Gasket- Filter | Standard [4] | S, W | A | 021768924 | 12 |
| 5 | Filter- 95% Eff- Cartridge [3] | High Heat [4] | A, E | A | 073381101 | 4 |
| | Filter- 95% Eff- Cartridge [3] | Standard [4] | S, W | A | 065810701 | 4 |
| 5A | Gasket- Filter | High Heat [4] | A, E | A | 073337012 | 4 |
| | Gasket- Filter | Standard [4] | S, W | A | 021768912 | 4 |

[1] If Code 25= E (Intersept) Contact Daikin Applied.
[2] Filter size= 24 x 24 x 12".
[3] Filter size= 12 x 24 x 12".
[4] High Heat filters are used on units with Gas or Electric heat. Standard filters are used with Steam, HW Heat.



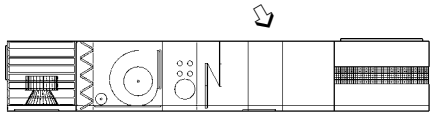

### Staggered Filter Rack- Code 39= B, F

| Ref. No. | Part Description | | Code 04= | Code 25 [5]= | Part Number | Qty. |
|---|---|---|---|---|---|---|
| 14 | Filter- 95% Eff- Cartridge [6] | High Heat [7] | A, E | B | 073381102 | 16 |
| | Filter- 95% Eff- Cartridge [6] | Standard [7] | S, W | B | 065810702 | 16 |
| 14A | Gasket- Filter | High Heat [7] | A, E | B | 073337024 | 16 |
| | Gasket- Filter | Standard [7] | S, W | B | 021768924 | 16 |

[5] If Code 25= F (Intersept) Contact Daikin Applied.
[6] Filter size= 24 x 24 x 12".
[7] High Heat filters are used on units with Gas or Electric heat. Standard filters are used with Steam, HW Heat.

# Section K- Discharge Plenum Section for RPE Units

## Notes



Primary Codes that pertain: 08, 40
Additional Codes that pertain: 6, 11, 16, 34, 35, 36, 38, 39, 41.

Code 08 determines the location of the Main Control Box. If Code 08= P, D the Main Control Box is located in the Discharge Plenum Section (Section K). If Code 08= C, V the Main Control Box is located in The Vestibule/Access Section (Section L). If Code 08= H, T the Main Control Box is located in the Heat Section (Section E, G).

Code 40 determines the discharge direction. Options include Bottom Discharge (Code BE, BY) OR side discharge (Code LY, RY, SY). If Code 40= BB then the unit has Bottom Discharge with Burglar Bars. If Code 40= BE, the unit has Bottom Discharge with an Isolation Damper and Actuator ACT5.

Code 06 determines the liners and insulation, and will affect the final assembly panels. **For sheet metal components that make up the Discharge Plenum Section, contact Daikin Applied to ensure that correct liners, insulation and hardware are ordered. For Standard Door Latching Assemblies, see Section H- Blow-Thru Heat Blank Access Section.**

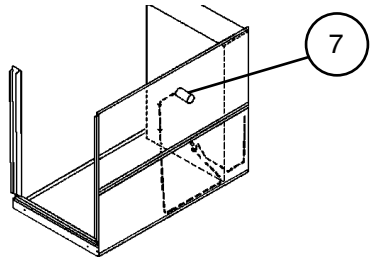
Code 11, Disconnect Switch option, influences Access Door part numbers.

Code 16 determines Smoke Detectors. If Code 16= 2, 3 there is a Supply Air Smoke Detector (SD1). For RPE units with heat SD1 is in Section K.

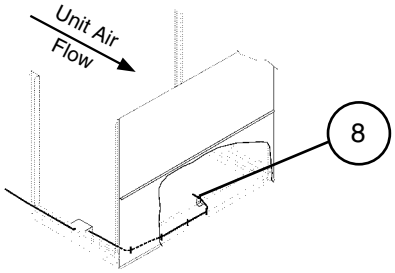
Codes 34, 35, 36, 38, 39, the Blow-thru/Final Filter Section codes, and Code 41, the Standard Service Vestibule code, pertain to some of the final assembly part numbers.

**Section K pertains to the RPE, but not the RDE.**

# Section K- Discharge Plenum Section for RPE Units
## Section Mounted Controls



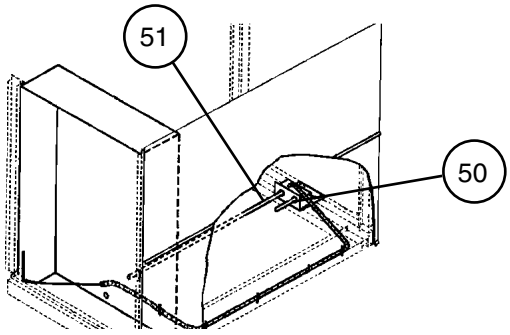

OAT




DAT

### Discharge Air Temperature Sensor- DAT & Outdoor Air Temperature Sensor- OAT

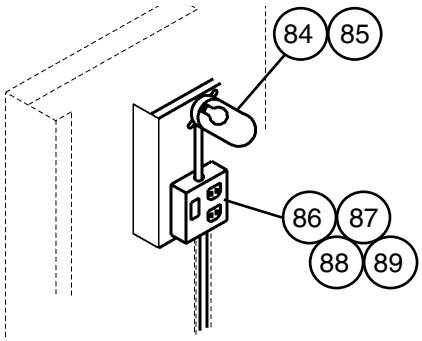
| Ref. No. | Part Description | Part Number | Qty. |
|---|---|---|---|
| 7 | OA Temp. Sensor | | |
| | MicroTech II | 060004705 | 1 |
| | MicroTech III | 193414602 | 1 |
| 8 | DA Temp. Sensor | | |
| | MicroTech II | 060004705 | 1 |
| | MicroTech III | 193414602 | 1 |




### Smoke Detector- SD1

| Ref. No. | Part Description | Part Number | Qty. |
|---|---|---|---|
| 50 | Smoke Detector | 098873101 | 1 |
| 51 | Sensing Tube [1] | 098872901 | 1 |

[1] For Standard Discharge applications. For other options, contact Daikin Applied with model and serial number information so that the correct part(s) can be identified.




### LT15- Discharge Plenum Section Light/ S15- Discharge Plenum Section Light Switch/ REC15- Discharge Plenum Section Receptacle

| Ref. No. | Part Description | Part Number | Qty. |
|---|---|---|---|
| 84 | Light Fixture | 042229500 | 1 |
| 85 | Bulb- LT15 | 065492402 | 1 |
| 86 | Junction Box | 065491901 | 1 |
| 87 | Junction Box Cover | 065492001 | 1 |
| 88 | Light Switch- S15 | 065492201 | 1 |
| 89 | Receptacle- REC15 | 030187000 | 1 |

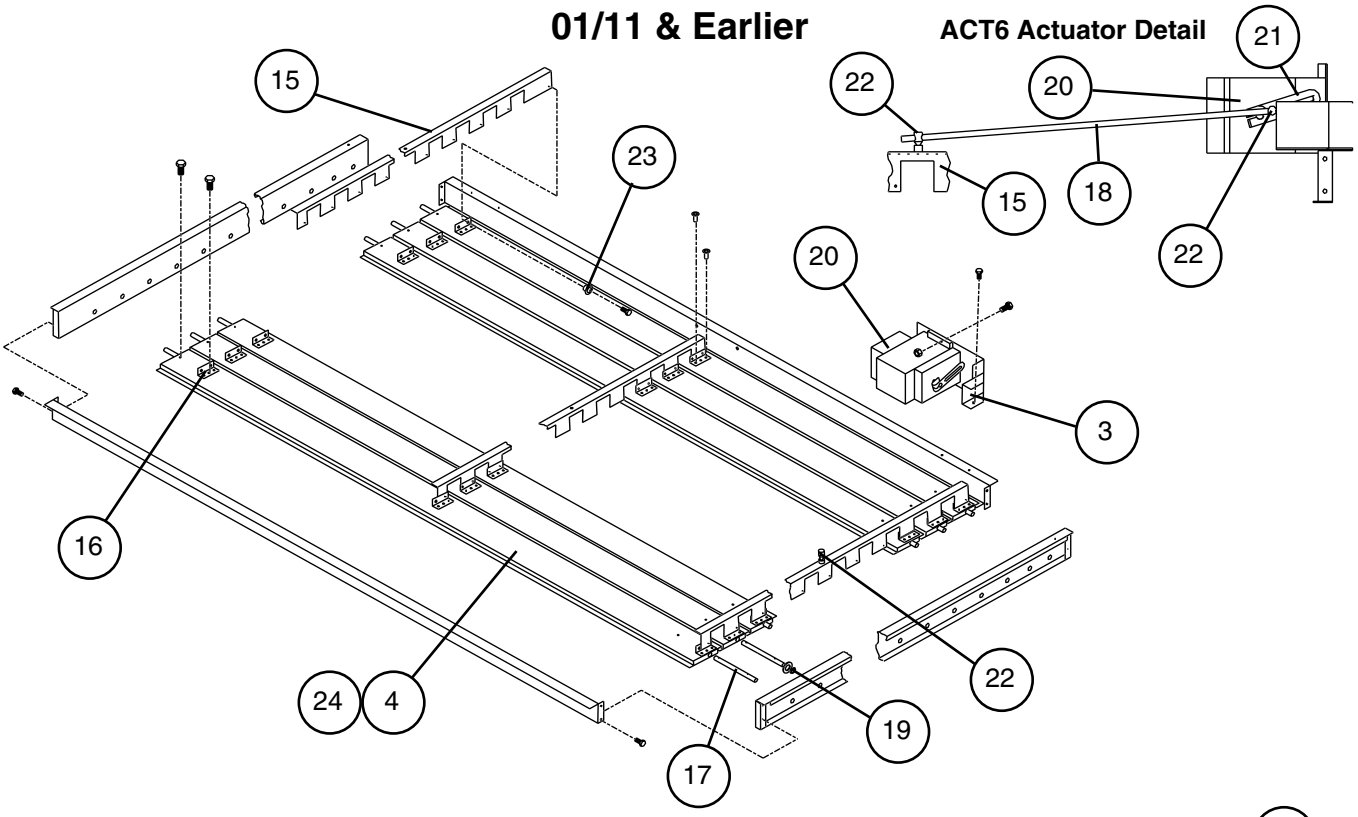
# Section K- Discharge Plenum Section for RPE Units

## Isolation Damper w/ Actuator ACT5

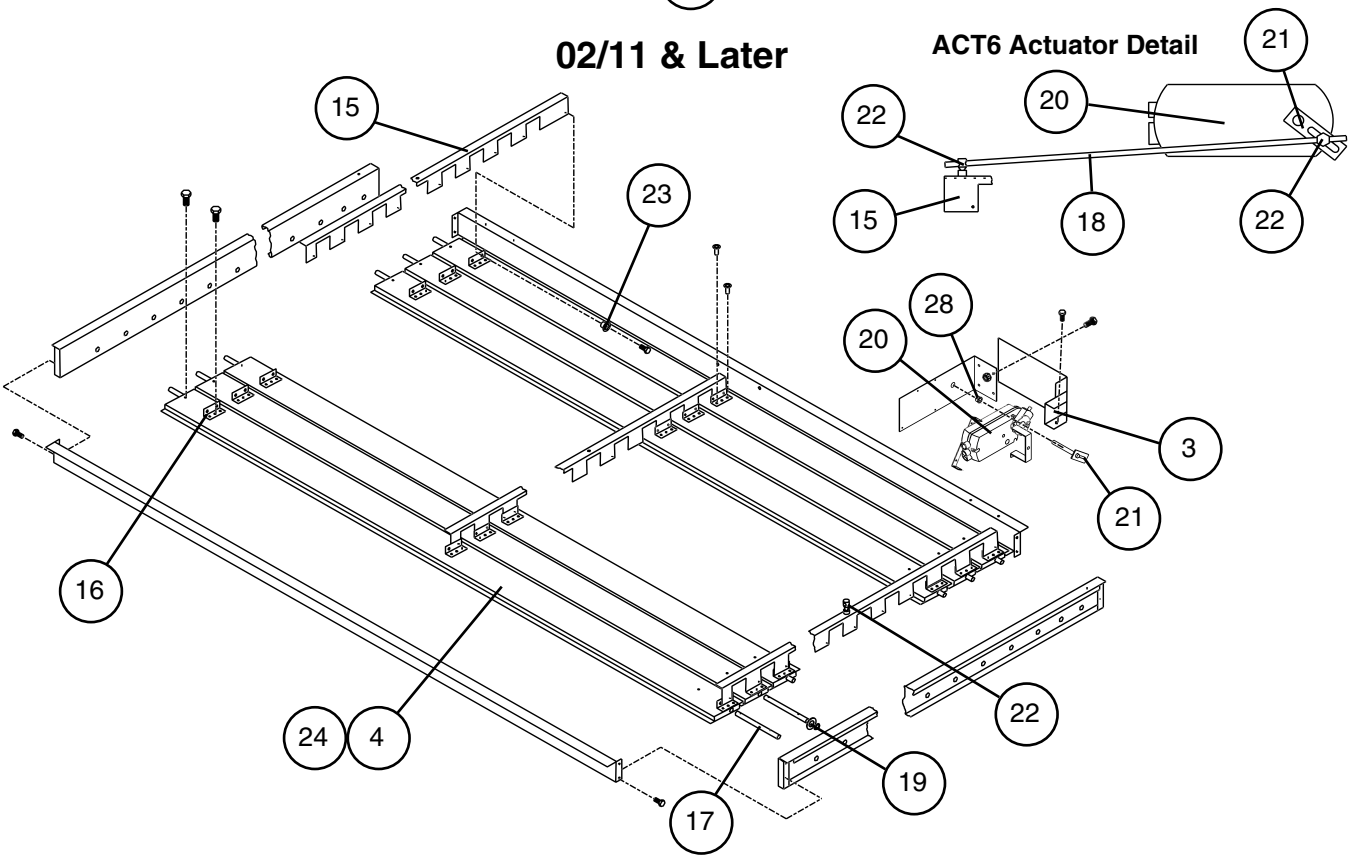
## Code 40= BE

## Diagrams

### 01/11 & Earlier



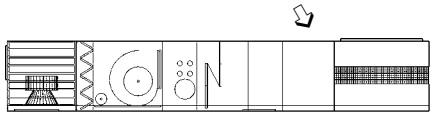

### 02/11 & Later



# Section K- Discharge Plenum Section for RPE Units
## Isolation Damper w/ Actuator ACT5
## Code 40= BE
## Components

| Ref. No. | Part Description | | Part Number | Qty. |
|---|---|---|---|---|
| | Isolation Damper Assy- Motorized | 1/11 & Earlier | 055921126 | 1 |
| | Isolation Damper Assy- Motorized | 2/11 & Later | 403716306 | 1 |
| 3 | Motor Mount Assembly | 1/11 & Earlier | 055921201 | 1 |
| | Motor Mount Assembly | 2/11 & Later | 055913701 | 1 |
| 4 | Blade Assembly- Return, 4” | | 055921302 | 15 |
| 15 | Angle- Linkage | | 055917902 | 3 |
| 16 | Angle- Blade | | 055638102 | 45 |
| 17 | Shaft- Damper Blade | | 055637801 | 30 |
| 18 | Shaft- Linkage | | 055536601 | 1 |
| 19 | Bearing, Flange, Nylon | | 001113500 | 30 |
| 20 | Actuator- Motorized- SPDT (ACT6), 120V | 1/11 & Earlier | 059999804 | 1 |
| | Actuator- Motorized- SPDT (ACT6), 24V | 2/11 & Later | 113144901 | 1 |
| 21 | Crank Arm- Damper | 1/11 & Earlier | 032279200 | 1 |
| | Crank Arm- Damper | 2/11 & Later | 403717101 | 1 |
| 22 | Ball Joint | | 000887000 | 2 |
| 23 | Bearing- Sleeve | | 047138507 | 45 |
| 24 | Gasket, Vinyl | | 030051985 | 16 |
| 28 | Bearing- Sleeve | 2/11 & Later | 047138504 | 1 |

# Section L- Vestibule/Access Section
## Notes & Section Mounted Controls



## Notes

Codes that pertain: 08, 41, 43
Additional Codes that pertain: 06, 09

Code 08 determines the location of the Main Control Box. If Code 08= V the Main Control Box is located in the Vestibule/Access Section. Inverters for the Condenser Fans (Speedtrol Inverters) are located next to the Main Control Box when Code 08= V. **For Main Control Box Components and Speedtrol Inverters see Section N.**

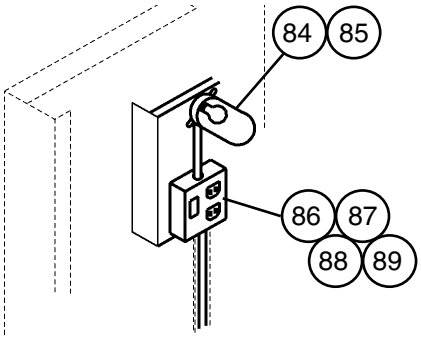
Code 41, Vestibule Compartment option, is always 1. The Vestibule/Access Section consists of a 24" Section plus a 48" Access Section which houses the unit's Water Treatment components.

Code 43 determines the characteristics of the unit's Water Treatment system and Compressor Conduit type. If Code 43= E*, the unit has no Vestibule OR Sump Heater. If Code 43= S*, the unit has a Sump Heater. If Code 43= V*, the unit has a Vestibule Heater. If Code 43= B*, the unit has both a Sump AND a Vestibule Heater. The second digit of Code 43 defines Water Treatment features and Compressor Conduit type. Refer to the ***Unit Model Number- Complete*** section of this form for more detailed information.

Code 06 determines the liners and insulation, and will affect the final assembly panels. **For sheet metal components that make up the Vestibule/Access Section, contact Daikin Applied to ensure that correct liners, insulation and hardware are ordered. Note that Door Hardware for Section L is DIFFERENT from the rest of the unit. Vestibule/Access Section Door Hardware is listed on the following page.**

Code 09, unit voltage, affects Transformers, Contactors, Motor Protectors, Pumps, and other electrical components.

## Section Mounted Controls

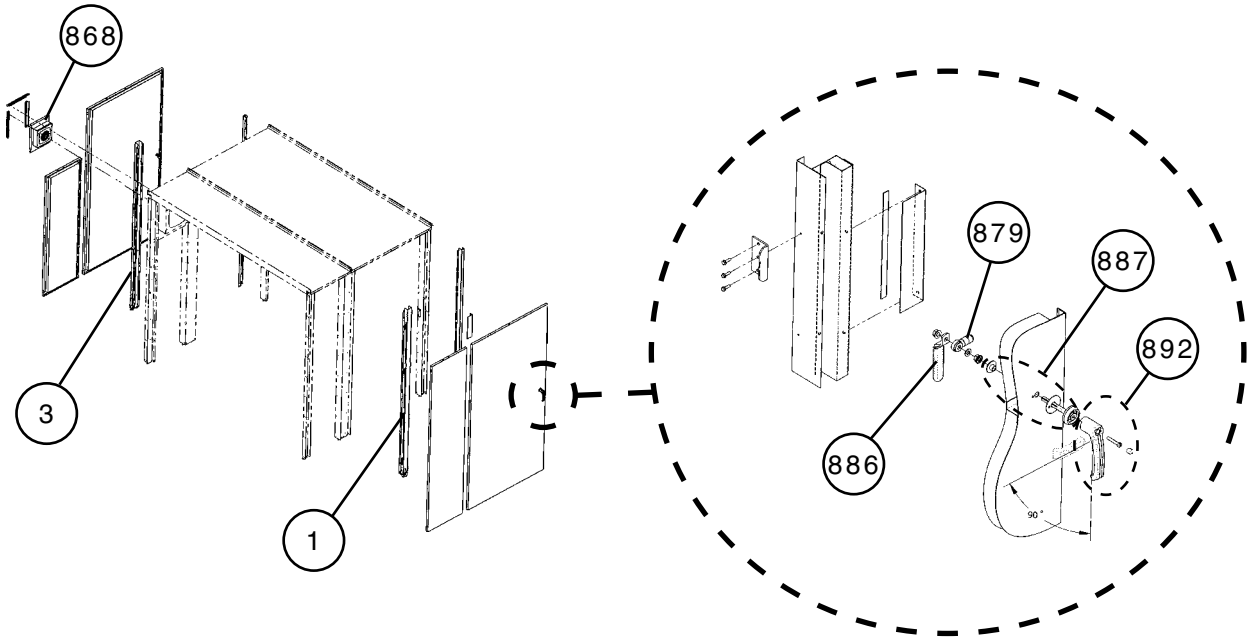



**LT20- Vestibule/Access Light/S20- Vestibule/ Access Light Switch/REC20- Vestibule/ Access Receptacle**

| Ref. No. | Part Description | Part Number | Qty. |
|---|---|---|---|
| 84 | Light Fixture | 042229500 | 1 |
| 85 | Bulb- LT20 | 065492402 | 1 |
| 86 | Junction Box | 065491901 | 1 |
| 87 | Junction Box Cover | 065492001 | 1 |
| 88 | Light Switch- S20 | 065492201 | 1 |
| 89 | Receptacle- REC20 | 030187000 | 1 |

# Section L- Vestibule/Access Section

## Vestibule/Access Section Door Hardware & Wall Fan

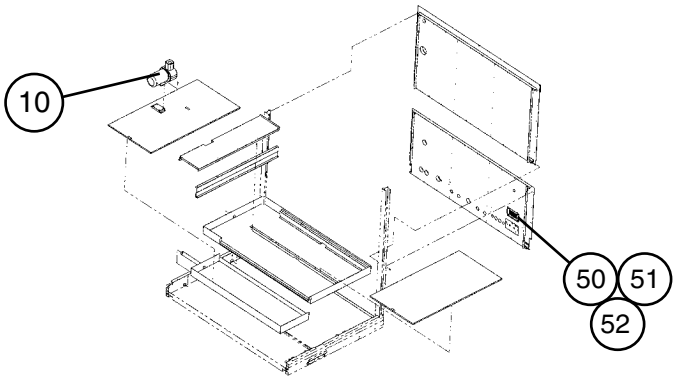



**Handle Detail**

| Ref. No. | Part Description | Part Number | Qty. |
|---|---|---|---|
| 1 | Access Door Latching Assy., RH | 111242222 | 1 |
| 3 | Access Door Latching Assy., LH | 111242211 | 1 |
| 868 | Fan, Wall | 098876101 | 1 |
| 879 | Roller Cam | 112034701 | 2 |
| 886 | Fastener, Non-Locking | 111055001 | 2 |
| 887 | Fastener, Locking Mechanism | 098875401 | 2 |
| 892 | Handle | | |
| | Locking | 098875601 | 2 |
| | Non-Locking (not shown) | 098875501 | 2 |

# Section L- Vestibule/Access Section
## Sump Pump, Vestibule Damper, & Vestibule Heater: Code 43= B*, V*

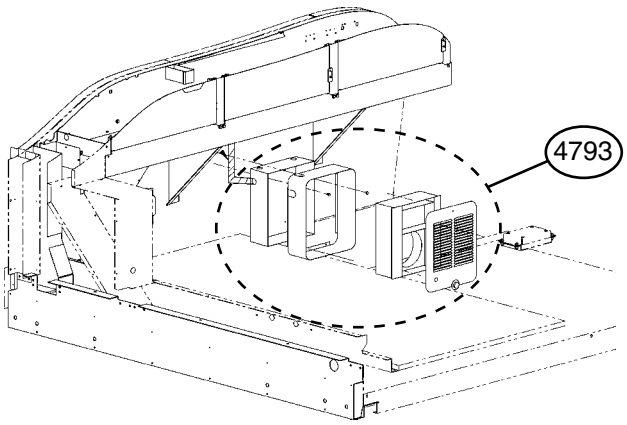
### Sump Pump & Vestibule Damper




| Ref. No. | Part Description | Part Number | Qty. |
|---|---|---|---|
| 10 | Sump Pump- Unit sizes 076- 100C | | |
| | 208/230/460V | 112030701 | 1 |
| | 575V | 112030801 | 1 |
| | Sump Pump- Unit sizes 110- 150C | | |
| | 208/230/460V | 112037801 | 1 |
| | 575V | 112037901 | 1 |
| N/S | Sump Pump Shaft Seal Kit | 300044179 | 1 |
| 50 | Damper- Vent | 193236601 | 1 |
| 51 | Intake Screen | 112032801 | 1 |
| 52 | Bearing, Flange | 047138507 | 4 |

N/S= Not Shown on Diagram.

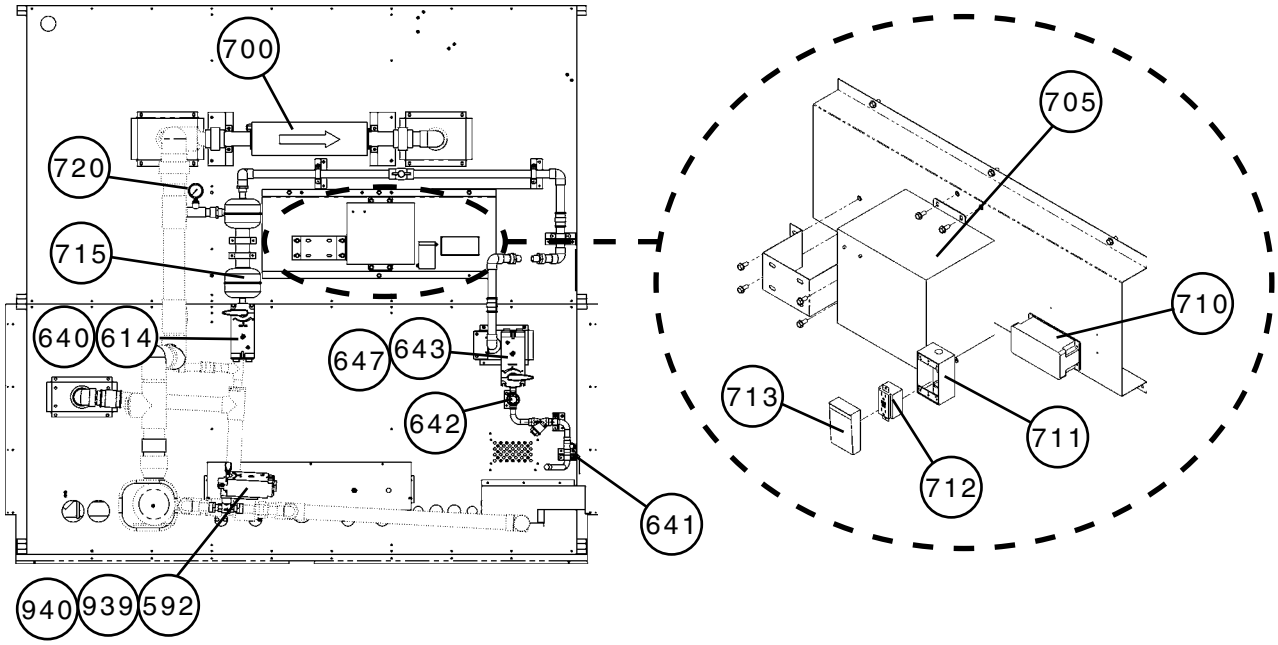
### Vestibule Heater




| Ref. No. | Schematic Symbol | Part Description | Part Number | Qty. |
|---|---|---|---|---|
| 4793 | HTR66 | Heater- Vestibule Code 43= B*, V* | 112036801 | 1 |

# Section L- Vestibule/Access Section

## Water Treatment Controls without Water Make-Up [1]



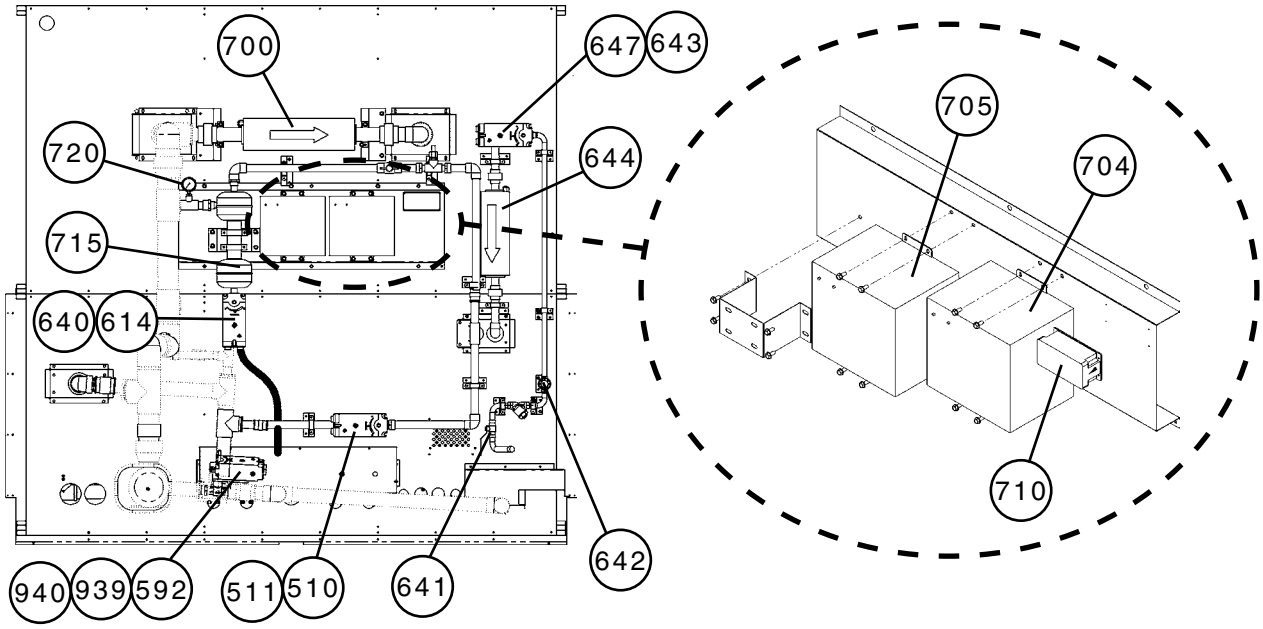

| Ref. No. | Schematic Symbol | Part Description | | Part Number | Qty. |
|---|---|---|---|---|---|
| 592 | | Valve, Water | 7/8" ODS | 112040701 | 2 |
| 614 | ACT64 | Actuator- Purge | | 910112753 [2] | 1 |
| 640 | | Valve, Water | 3/4" FPT | 112052301 | 1 |
| 641 | | Valve, Water | 7/8" ODS | 112040701 | 1 |
| 642 | | Valve, Water- Drain | 3/4" FPT | 112040801 | 1 |
| 643 | | Valve, Water | 3/4" FPT | 112052301 | 1 |
| 647 | ACT61 | Actuator- Sump Fill | | 910112753 [2] | 1 |
| 700 | | Water Treatment Pipe Coil- Sump | | | |
| | | 11/07 & Earlier | | 112053001 | 1 |
| | | 12/07 & Later | | 113135901 | 1 |
| 705 | Dolphin T1 | Transformer- Sump | | | |
| | | 11/07 & Earlier | | 112053101 | 1 |
| | | 12/07 & Later | | 113135701 | 1 |
| 710 | Dolphin CTL1 | Conductivity Control | | | |
| | | 11/07 & Earlier | | 112053201 | 1 |
| | | 12/07 & Later | | 113135801 | 1 |
| 711 | | Electrical Box | | 042229700 | 1 |
| 712 | | Receptacle- GFCI | | 039003600 | 1 |
| 713 | | Cover, Electrical Box | | 066793800 | 1 |
| 715 | | Cyclone Centrifugal Separator | | 112050801 | 1 |
| 720 | | Pressure Gauge | 0- 30 psi | 112052701 | 1 |
| 939 | | Valve, Water | | | |
| | | 11/07 & Earlier | 1" FPT | 251722301 | 1 |
| | | 12/07 & Later | 3/4" FPT | 112052301 | 1 |
| 940 | ACT62 | Actuator- Blowdown | | 910112753 [2] | 1 |

[1] The above diagrams show standard component layouts. **Not all components are used in every situation. Visually confirm the piping configuration and component placement before ordering or, contact Daikin Applied with model and serial number information to ensure that the correct part(s) are identified.** Note that the Make Up Water option was first offered in 2009.

[2] On 08/10 the original Actuator p/n 112052401 was discontinued and replaced with functional replacement p/n 910112753. Overall dimensions differ slightly, but function is equivalent.

# Section L- Vestibule/Access Section

## Water Treatment Controls with Water Make-Up [1]

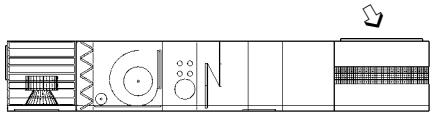



| Ref. No. | Schematic Symbol | Part Description | | Part Number | Qty. |
|---|---|---|---|---|---|
| 510 | | Valve, Water | 3/4" FPT | 112052301 | 1 |
| 511 | ACT62 | Actuator- Blowdown | | 910112753 [2] | 1 |
| 592 | | Valve, Water | 7/8" ODS | 112040701 | 2 |
| 614 | ACT64 | Actuator- Purge | | 910112753 [2] | 1 |
| 640 | | Valve, Water | 3/4" FPT | 112052301 | 1 |
| 641 | | Valve, Water | 7/8" ODS | 112040701 | 1 |
| 642 | | Valve, Water- Drain | 3/4" FPT | 112040801 | 1 |
| 643 | | Valve, Water | 3/4" FPT | 112052301 | 1 |
| 644 | | Water Treatment Pipe Coil- Make Up Water | | 910107754 | 1 |
| 647 | ACT61 | Actuator- Sump Fill | | 910112753 [2] | 1 |
| 700 | | Water Treatment Pipe Coil- Sump | | 113135901 | 1 |
| 704 | Dolphin T2 | Transformer- Make Up Water | | 910107755 | 1 |
| 705 | Dolphin T1 | Transformer- Sump | | 113135701 | 1 |
| 710 | Dolphin CTL1 | Conductivity Control | | | |
| | | 11/07 & Earlier | | 112053201 | 1 |
| | | 12/07 & Later | | 113135801 | 1 |
| 715 | | Cyclone Centrifugal Separator | | 112050801 | 1 |
| 720 | | Pressure Gauge | 0- 30 psi | 112052701 | 1 |
| 939 | | Valve, Water | 3/4" FPT | 112052301 | 1 |
| 940 | ACT63 | Actuator- Auto System Drain | | 910112753 [2] | 1 |

[1] The above diagrams show standard component layouts. **Not all components are used in every situation. Visually confirm the piping configuration and component placement before ordering or, contact Daikin Applied with model and serial number information to ensure that the correct part(s) are identified.** Note that the Make Up Water option was first offered in 2009.

[2] On 08/10 the original Actuator p/n 112052401 was discontinued and replaced with functional replacement p/n 910112753. Overall dimensions differ slightly, but function is equivalent.

# Section M- Condenser Section
## Notes



Primary Codes that pertain: 42, 43, 44, 45, 47
Additional Codes that pertain: 09, 10

Code 42 affects Compressor capacity control. This code determines the number of Compressor unloaders specified. Note that replacement compressors are shipped with maximum unloading capability.

Code 43 determines the characteristics of the unit's Condenser options and Compressor Conduit type. Refer to the ***Unit Model Number- Complete*** section of this form for more detailed information.

Code 44 determines the Compressor refrigerant used. Code 44= H indicates R22 and Code 44= K specifies R407C. Note that ALL Evaporative Condensing units use Semi Hermetic Discus Compressors.

Code 45 determines the way the Compressors are mounted.

Code 47 determines the Inverter vendor for low ambient operation. Code 47= A means that ABB Inverters were specified. Code 47= G indicates Graham/DanFoss brand Inverters were installed. Code 47= Q shows Schneider Inverters were furnished. Code 47= R shows Reliance brand Inverters were chosen. Code 47= B, S indicates that Daikin Applied brand Inverters were used. Note that ALL Evaporative Condensing units are equipped for low ambient operation (Code 47 CANNOT = Y).

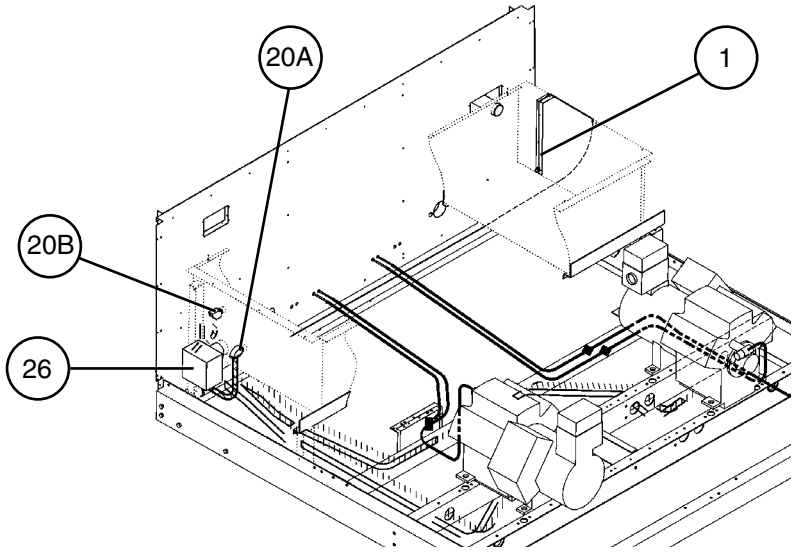
Code 09, Unit voltage, & Code 10, Compressor starting options, affect Compressor, Compressor Contactor, and Condenser Motor selection. **For Main Control Box components see Section N.**

**For refrigeration components see Section O.**

# Section M- Condenser Section

## Sump Water Temp. Sensor SWT, Water Level Switches WL63, WL64, & Sump Heater HTR65

## Code 43= B*, S*



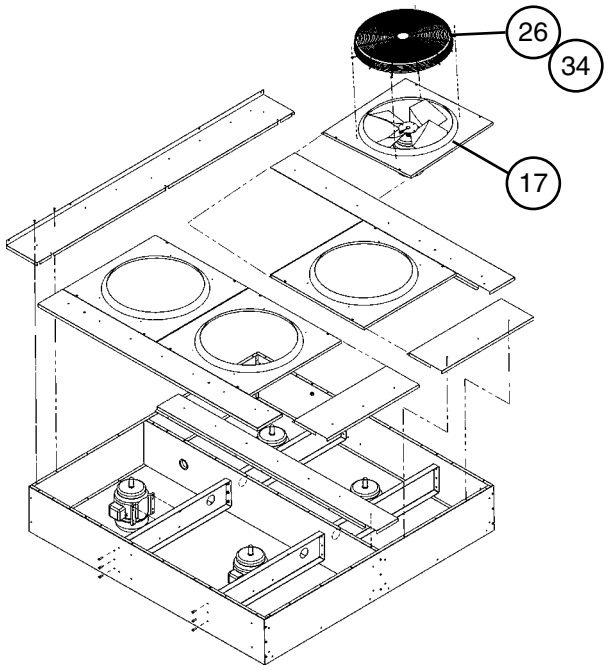

| Ref. No. | Schematic Symbol | Part Description | Part Number | Qty. |
|---|---|---|---|---|
| 1 | SWT | Sensor- Sump Water Temperature | | |
| | | MicroTech II (Code 12= *D, *S) | 060004705 | 1 |
| | | MicroTech III (Code 12= *E, *F, *W) | 193414603 | 1 |
| 20A | WL63 | Switch- Level | | |
| | | 09/08 & Earlier | 111861601 [1] | 1 |
| | | 10/08 & Later | 111861602 [2] | 1 |
| 20B | WL64 | Switch- Level | | |
| | | 09/08 & Earlier | 111861601 [1] | 1 |
| | | 10/08 & Later | 111861602 [2] | 1 |
| 26 | HTR65 | Heater- Sump (Code 43= B*, S*) | 111848402 | 1 |

[1] The Sensor for this Level Switch CANNOT be ordered separately. If the Switch's Sensor fails, the Switch must be replaced.

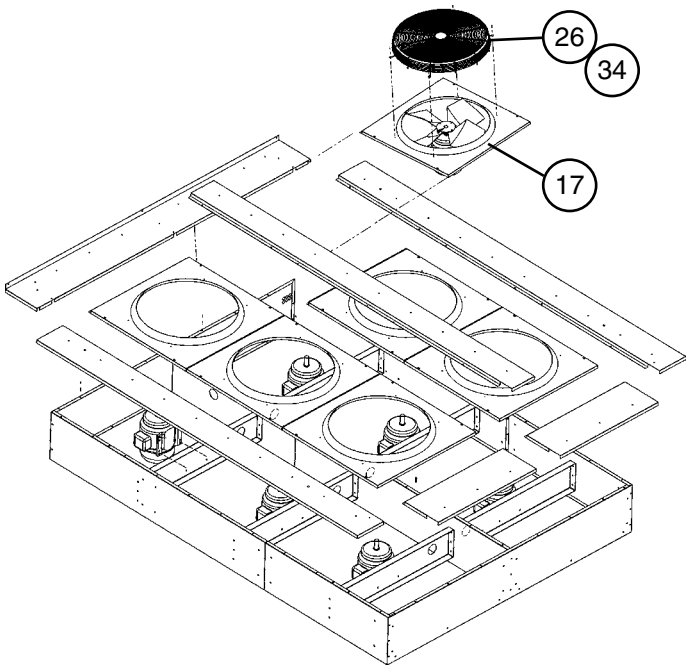
[2] This Switch is normally open (NO) in the dry position. To make it a normally closed (NC) valve, rotate the Switch Assembly 180 degrees to change the Switch logic from NO to NC.

# Section M- Condenser Section
## Fan Deck Assembly- Diagrams

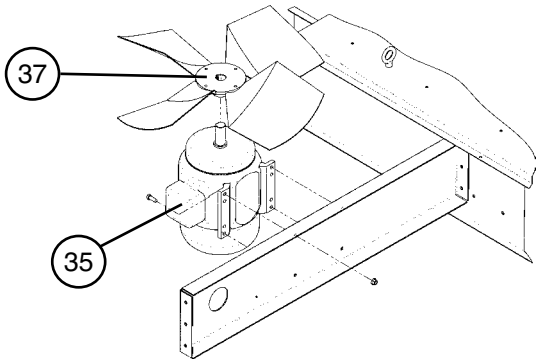
**Fan Deck Assy. 076- 100C**



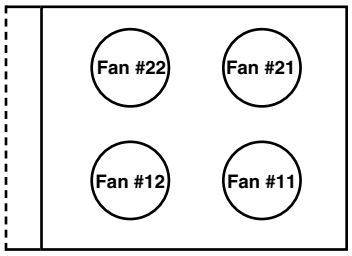

**Fan Deck Assy. 110- 150C**

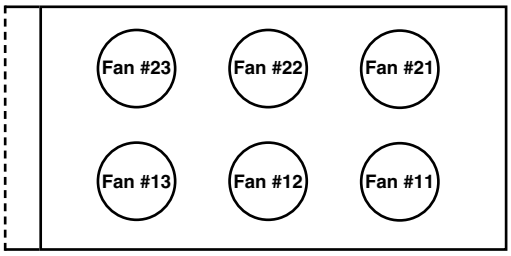



**Fan Motor Mounting Detail**




**Condenser Fan Arrangement**



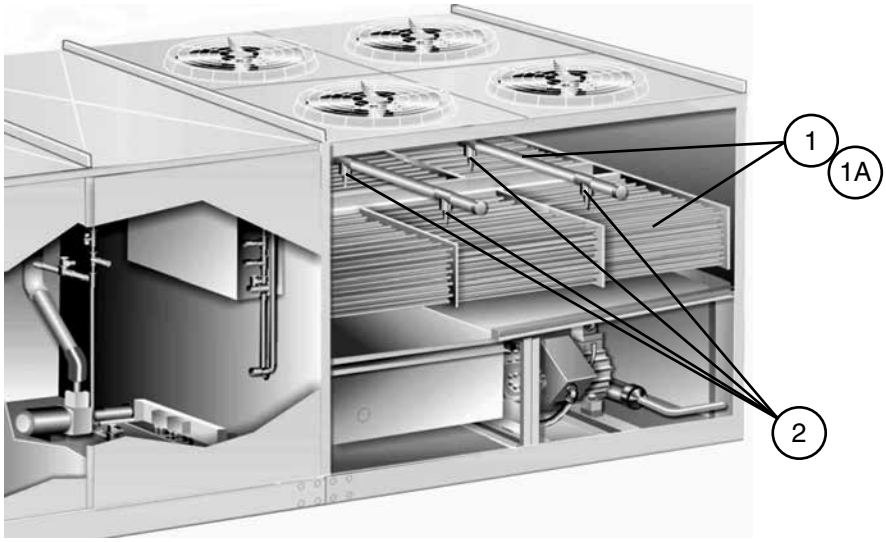



# Section M- Condenser Section
## Fan Deck Assembly- Components

| Ref. No. | Part Description | Part Number | Unit Size | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | 076 | 089 | 100 | 110 | 130 | 140 | 150 |
| 17 | Panel, Fan Shroud | | | | | | | | |
| | 12/04 & Before | 251709201 | 4 | 4 | 4 | 6 | 6 | 6 | 6 |
| | 1/05 & Later | 193308201 | 4 | 4 | 4 | 6 | 6 | 6 | 6 |
| 26 | Guard, Fan | 098668302 | 4 | 4 | 4 | 6 | 6 | 6 | 6 |
| 34 | Screw, Tapping | 046093809 | 16 | 16 | 16 | 24 | 24 | 24 | 24 |
| 35 | Motor, Fan 208/230/460V | 113101101 [1] | 4 | 4 | 4 | 6 | 6 | 6 | 6 |
| | Motor, Fan 575V | 112026889 | 4 | 4 | 4 | 6 | 6 | 6 | 6 |
| 37 | Prop, Fan 26” | 111841501 | 4 | 4 | 4 | 6 | 6 | 6 | 6 |

[1] A different motor was used in units built 2005 & Earlier. Motor 113101101 is the specified replacement for ALL 208- 460V Condenser Fans regardless of build date.

# Section M- Condenser Section
## Condenser Coils

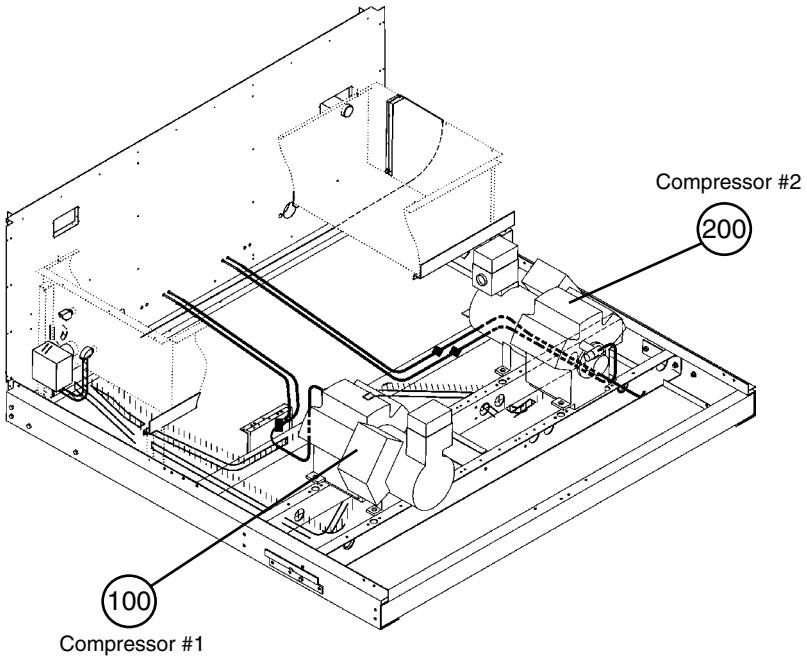



| Ref. No. | Part Description | Part Number | Unit Size | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | 076 | 089 | 100 | 110 | 130 | 140 | 150 |
| 1, 1A | Coil, Evaporative Condenser | 111847690 | 2 | [1] | 2 | | | | |
| | Coil, Evaporative Condenser | 111847610 | | [1] | | 2 | | | |
| | Coil, Evaporative Condenser | 111847635 | | [1] | | | 2 | 2 | 2 |
| 2 | Spray Nozzle | 111848301 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |

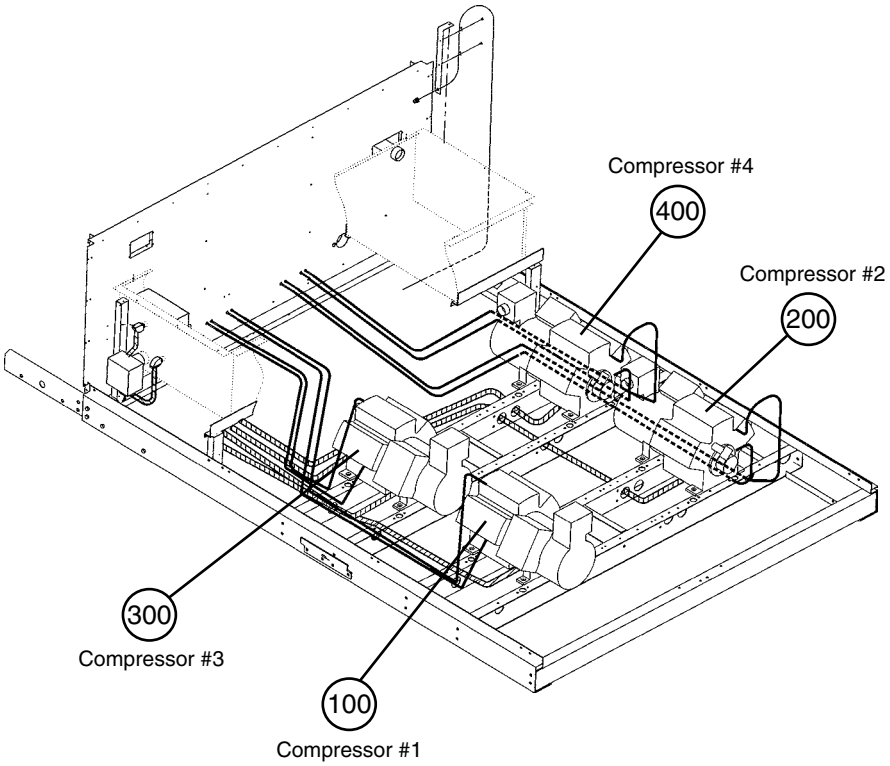
[1] Contact Daikin Applied with model and serial number information so that the correct coil can be identified.

# Section M- Condenser Section
## Compressor Layout Diagrams

**Two Compressor Layout 076- 100C**




**Four Compressor Layout 110- 150C**



# Section M- Condenser Section

## Compressors [1]

| Ref. No. | Part Description | Part Number | Unit Size | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 076 | | 089 | | 100 | | | 110 | | 130 | | 140 | | 150 | |
| | | | 208/230V | 460V | 208/230V | 460V | 208V | 230V | 460V | 208/230V | 460V | 208/230V | 460V | 208/230V | 460V | 208/230V | 460V |
| [4] | **Compressors** | | | | | | | | | | | | | | | | |
| | **25HP R22 [2]** | | | | | | | | | | | | | | | | |
| | 0 or 1 unloader [5] | 300048020 | | | | | | | | 4 | | | | | | | |
| | 0 or 1 unloader [5] | 300048022 | | | | | | | | | 4 | | | | | | |
| | **25HP R407C [3]** | | | | | | | | | | | | | | | | |
| | 0 or 1 unloader [5] | 300048021 | | | | | | | | 4 | | | | | | | |
| | 0 or 1 unloader [5] | 300048021 | | | | | | | | | 4 | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | **30HP R22 [2]** | | | | | | | | | | | | | | | | |
| | 0- 2 unloaders [5] | 300048031 | 2 | | | | | | | | | | | | | | |
| | 0- 2 unloaders [5] | 300048033 | | 2 | | | | | | | | | | | | | |
| | 0 or 1 unloader [5] | 300048025 | | | | | | | | | | 4 | | 2 | | | |
| | 0 or 1 unloader [5] | 300048027 | | | | | | | | | | | 4 | | 2 | | |
| | **30HP R407C [3]** | | | | | | | | | | | | | | | | |
| | 0 or 1 unloader [5] | 300048032 | 2 | | | | | | | | | | | | | | |
| | 0 or 1 unloader | 300048032 | | 2 | | | | | | | | | | | | | |
| | 0 or 1 unloader | 300048026 | | | | | | | | | | 4 | | 2 | | | |
| | 0 or 1 unloader | 300048028 | | | | | | | | | | | 4 | | 2 | | |
| | | | | | | | | | | | | | | | | | |
| | **35HP R22 [2]** | | | | | | | | | | | | | | | | |
| | 0- 2 unloaders [5] | 300048036 | | | 2 | | | | | | | | | 2 | | 4 | |
| | 0- 2 unloaders [5] | 300048041 | | | | 2 | | | | | | | | | 2 | | 4 |
| | **35HP R407C [3]** | | | | | | | | | | | | | | | | |
| | 0- 2 unloaders [5] | 300048037 | | | 2 | | | | | | | | | 2 | | 4 | |
| | 0- 2 unloaders [5] | 300048042 | | | | 2 | | | | | | | | | 2 | | 4 |
| | | | | | | | | | | | | | | | | | |
| | **40HP R22 [2]** | | | | | | | | | | | | | | | | |
| | 0- 2 unloaders [5] | 300048052 | | | | | 2 | | | | | | | | | | |
| | 0- 2 unloaders [5] | 300048048 | | | | | | 2 | | | | | | | | | |
| | 0- 2 unloaders [5] | 300048050 | | | | | | | 2 | | | | | | | | |
| | **40HP R407C [3]** | | | | | | | | | | | | | | | | |
| | 0- 2 unloaders [5] | 300048053 | | | | | 2 | | | | | | | | | | |
| | 0- 2 unloaders [5] | 300048049 | | | | | | 2 | | | | | | | | | |
| | 0- 2 unloaders [5] | 300048051 | | | | | | | 2 | | | | | | | | |

[1] For 575V units (Code 09= 37) contact Daikin Applied so that the correct compressor(s) can be identified. Note that starting early in 2012 there was a vendor change in the Compressors. Compressors built 2012 and later utilize a CoreSense™ Controller and related components. Replacement Compressors will NOT come equipped with a Controller; therefore the Controller from the previous Compressor will need to be reused. If the CoreSense™ Controller needs to be replaced, contact Daikin Applied for more information.

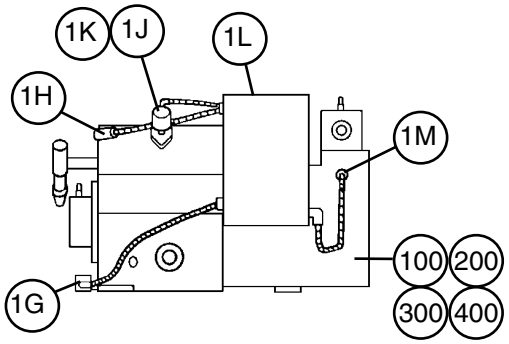
[2] Code 44= H.

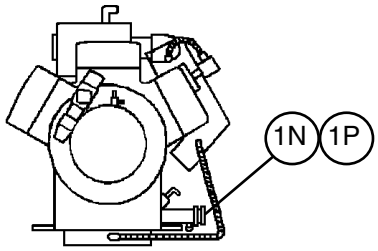
[3] Code 44= K.

[4] For unit size 140C: Compressors Ref. # 100 & 200 are 30HP, and Compressors Ref. # 300 & 400 are 35HP.

[5] All 4 cylinder compressors 30HP and smaller are equipped with one Unloader and all 30- 40HP 6 cylinder Compressors are equipped with two Unloaders. Note that ALL Compressors come with maximum unloading capacity standard. If a replacement Unloader is needed, refer to the following page.

# Section M- Condenser Section
## Compressor Components [4]



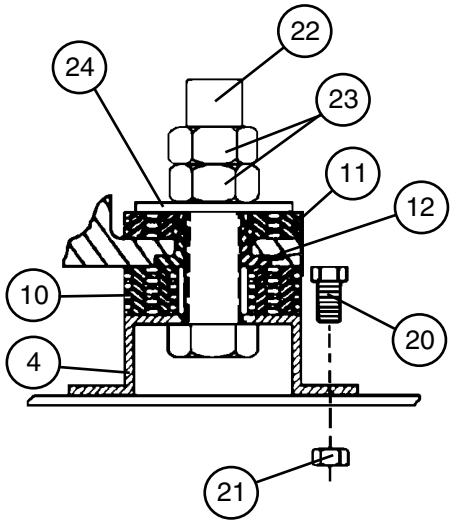

**Oil Equalization Detail**

| Ref. No. | Part Description | Part Number | Unit Size | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | 076 | 089 | 100 | 110 | 130 | 140 | 150 |
| 1G | Crankcase Heater | | | | | | | | |
| | Liquid Tite Conduit [1] | 059479001 | 2 | 2 | | 2 | 2 | 2 | 2 |
| | Flex Conduit [2] | 059443001 | 2 | 2 | | 2 | 2 | 2 | 2 |
| | All Conduits | 030178400 | | | 2 | | | | |
| 1H | High Pressure Control | 047356120 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1J | Valve- Unloader | 046497300 | [3] | [3] | [3] | [3] | [3] | [3] | [3] |
| 1K | Gasket- Unloader | 046498800 | [3] | [3] | [3] | [3] | [3] | [3] | [3] |
| 1L | Gasket | 027017048 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1M | Low Pressure Control | 047356111 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1N | Valve- Oil Equalization | 049122702 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1P | Cap- Oil Equal. Valve | 001106100 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

[1] Code 43= D, *F, *J, *L, *N.
[2] Code 43= *E, *H, *K, *M, *Y.
[3] Quantity of Unloader Valve is as required. There are 2 Gaskets PER Valve. Note that ALL Compressors come with maximum unloading capacity standard. Order replacement parts as needed.
[4] For Suction and Discharge Service Valves see Refrigeration Tubing Section (Section O).

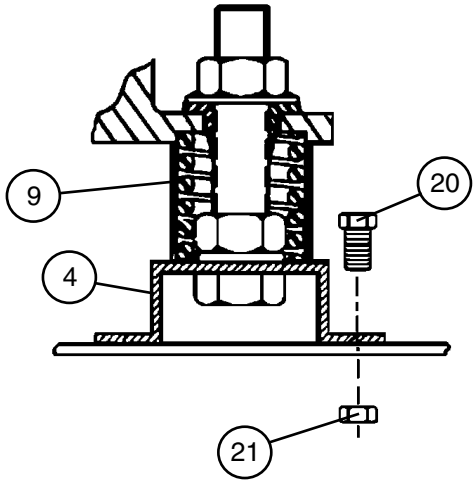
# Section M- Condenser Section
## Compressor Mounting

### Resilient Mount (Code 45= 1)




| Ref. No. | Part Description | Comp. HP | Part Number | Qty. |
|---|---|---|---|---|
| 4 | Channel- Rubber Mount | All | 055565501 | 4 |
| 10 | Spacer Pad- Lower | All | 041763300 | 4 |
| 11 | Spacer Pad- Upper | All | 041763400 | 4 |
| 12 | Spacer- Rubber | All | 019941000 | 4 |
| 20 | Screw- Cap, 3/8-16 X 1 | All | 048878118 | 8 |
| 21 | Nut- Hex, Flanged | All | 032333304 | 8 |
| 22 | Bolt- Hex 5/8-11 X 2.75 | All | 040499525 | 4 |
| 23 | Nut- Hex, 5/8-11 | All | 040500002 | 8 |
| 24 | Washer- Flat, 5/8 | All | 040500312 | 4 |

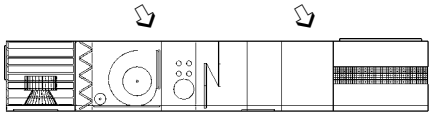
### Spring Mount (Code 45= 2)

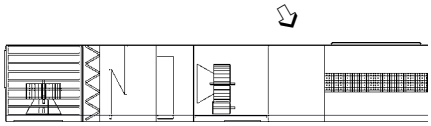



| Ref. No. | Part Description | Comp. HP | Part Number | Qty. |
|---|---|---|---|---|
| 4 | Channel- Spring Mount | All | 055646001 | 4 |
| 9 | Spring Isolator Kit | 20 | 001402900 | 1 [1] |
| | Spring Isolator Kit | 25, 30 | 001403600 | 1 [1] |
| | Spring Isolator Kit | 35 | 019439200 | 1 [1] |
| | Spring Isolator Kit | 40 | 034895100 | 1 [1] |
| 20 | Screw- Cap, 3/8-16 X 1 | All | 048878118 | 8 |
| 21 | Nut- Hex, Flanged | All | 032333304 | 8 |

[1] Kit contains 4 Springs.

# Section N- Controls
## Notes





Primary Codes that pertain: 08, 09, 11, 12, 13, 14, 15, 17, 18
Additional Codes that pertain: 04, 20, 22, 32, 34, 40, 47

There have been four generations of Main Control Boxes offered:

1. The original MicroTech II Control Box (Code 08= P, S AND Code 12= *D, *S) was used from the start of production in 2004 until the end of March, 2005. This Control Box had the Main Processor (MCB) mounted in the Control Panel with the Keypad mounted in the Dead Front Door.
2. The redesigned MicroTech II Control Box (Code 08= V AND Code 12= *D, *S) was used April, 2005 until the end of December, 2010. There is a MCB as well as two Compressor Control Boards (CCB1, CCB2) in the Control Box. In January, 2007 a vendor change was made for Contactors, MMPs, Relays, and related components. Form and function are identical, however these components and related accessories are NOT directly interchangeable.
3. The MicroTech III (Code 08= V AND Code 12= *E, *F, *W) Control Box was introduced in January, 2011. The Controller (MCB) changed and the Compressor Control Boards were replaced with Expansion Modules (EXPA-D), however the majority of components are the same as the later MicroTech II design.
4. In May of 2013 the entire MicroTech III Control Box underwent a major redesign. This design change not only changed components, but some Contactor, Motor Protector, and Inverter circuiting changed. Note that components and component accessories such as Auxiliaries, Links, etc. are NOT interchangeable with any previous design.

Code 08 determines the location of the Main Control Box. If Code 08= V the Main Control Box is located in the Vestibule/Access Section (Section L). If Code 08= P , S, the Main Control Box is located in the Supply Air/Discharge Plenum Section (Section F). Components are the same in both cases.

Code 9, unit voltage, affects Transformers, Overloads/MMPs, Contactors, Fuses, etc.

Code 11 determines whether the main power connection is a Terminal Block or a through-the-door Disconnect Switch.

Code 12 selects the unit's control type (MicroTech version), communication protocol, and whether the unit is set up for Discharge Air, Space Control, or Zone control. Evaporative Condensing units MUST be sold with MicroTech Controls.

Code 13 determines the presence of Duct and/or Space Sensors.

Codes 14 and 15 determine Supply and Return Air Inverter options. **For Inverter part numbers refer to the Supply Air Section (Section F).**

Code 17 determines whether the unit is equipped with a PVM (Phase Voltage Monitor), Freezestat, UV Lights, Ground Fault Protection, and/or Line Reactors.

Code 18 indicates whether a unit has a Remote Keypad Display, Unit Powered Receptacle, and/or a Modem.

Codes 04 and 34 determine the heat type, which impacts Transformers and Heating/Cooling Circuit Relays.

Codes 20, 22 are Return Air codes that impact several controls options. The presence of an OA hood, the horsepower of the Return Air Motor, etc. have an impact on Contactors, Overloads/MMPs, Fuses, and Duct Sensors.

Code 32 determines horsepower of the Supply Air Fan Motor which, like the Return Air Motor, affects Contactors, Fuses, Overloads/MMPs, etc.

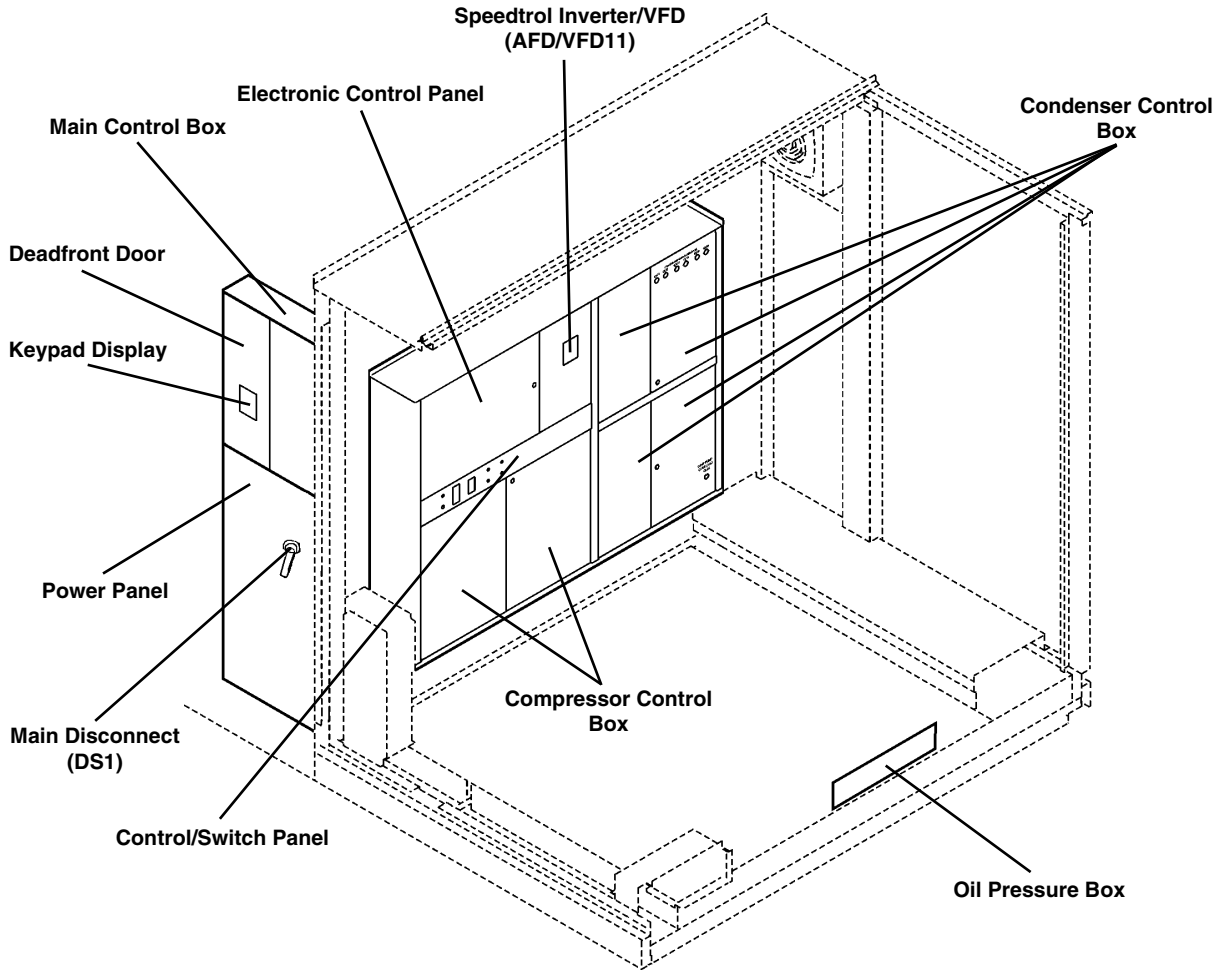
Code 40 determines if there is an Isolation Damper and associated Relay.

Code 47 determines Condenser Fan Inverter selection. Inverters for the Condenser Fans are located next to the Main Control Box. Note that ALL Evaporative Condensing units are set up for Low Ambient operation (Code 47 CANNOT = Y).

# Section N- Controls

## MicroTech II Controls: Code 12= *D, *S

## Unit Control Layout Diagram- 3/05 & Earlier [1]

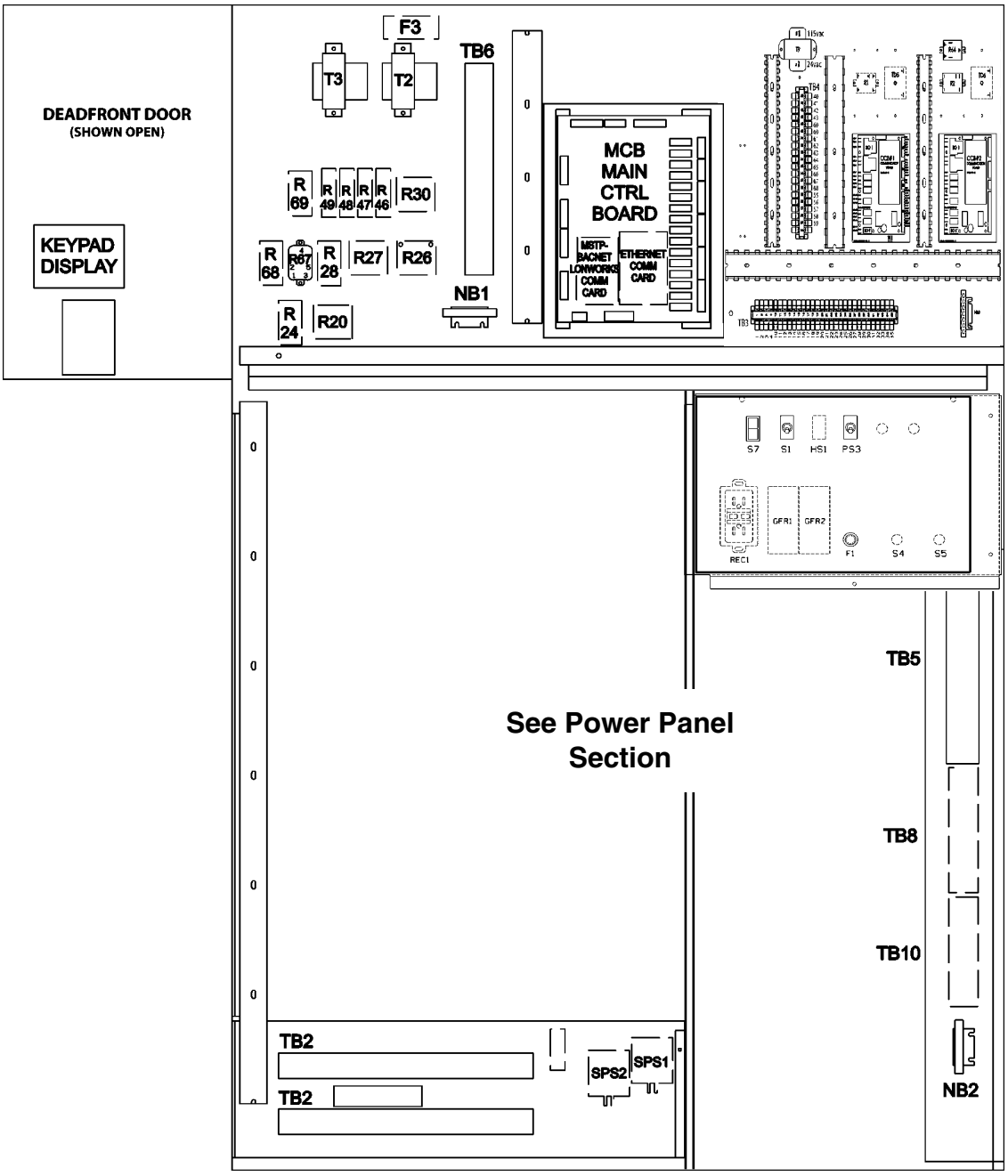



[1] The above diagram shows a typical Unit Control layout and is to be used for reference only. Specific unit configuration may differ depending upon unit options selected.

# Section N- Controls

## MicroTech II: Code 12= *D, *S- 3/05 & Earlier

## Main Control Box Layout Diagram [1]




[1] The above diagram shows a typical Main Control Box layout and is to be used for reference only. Specific unit components, component quantity, and Control Box configuration may differ depending upon unit size and options selected.

# Section N- Controls
## MicroTech II: Code 12= *D, *S- 3/05 & Earlier
## Main Control Box Components

| Sch. Sym. | Part Description | Part Number | Qty. |
|---|---|---|---|
| | **Switches** | | |
| S1 | Toggle Switch- Control: Units with Gas Heat (Code 04= A) | 018446400 | 1 |
| | Toggle Switch- Control: Units w/o Gas Heat (Code 04= E, W, S, Y) | 802005045 | 1 |
| S4, S5 | Toggle Switch- Inverters (Code 14= 1- 9) | 028798400 | 2 |
| | Connector Bar- Inverter on Supply and Return Air Fan | 033250200 | 2 |
| S7 | Rocker Switch- On/Off | 072402801 | 1 |
| PS3 | Pumpdown Switches- Refrigeration Circuits | 802005045 | 1 |
| | **Fusing** | | |
| F1 | Fuseholder- Control Circuit | 018690600 | 1 |
| | Fuse- Control Circuit | 025954700 | 1 |
| F3 | Fuse Block- Gas Heat Units | 023780201 | 1 |
| | Fuse, Gas Heat Units: 500 - 1000 MBH furnaces | 025860505 | 1 |
| | Fuse, Gas Heat Units: 1100 - 2000 MBH furnaces | 025860507 | 1 |
| | **Receptacle** | | |
| REC1 | Receptacle- GFI | 039003600 | 1 |
| | Receptacle- Std. 15A | 025283700 | 1 |
| | **Terminal Blocks** | | |
| TB2 | Terminal Block- 30 Terminals | 022431230 | 2 |
| TB3 | Terminal Block- 30 Terminals | 015998130 | 1 |
| TB4 | Terminal Block- 20 Terminals | 015998120 | 1 |
| TB5, 6 | Terminal Block, 24 Terminals | 015998124 | 2 |
| TB10 | Terminal Block- 12 Terminals: Electric, Gas Heat (Code 04= E, A) | 015998112 | 1 |
| | Terminal Block- 12 Terminals: Hot Water, Steam, No Heat (Code 04= W, S,Y) | 022431212 | 1 |
| NB1, 2 | Terminal Block- Neutral Block | 037530800 | 2 |
| | **Transformers** | | |
| T2, T3 | Transformer- Control Circuit | 060004601 | 1 |
| T9 | Transformer- Refrigerant Circuit [1] | 060630801 | 1 |
| | **Relays** | | |
| R1, 2 | Relay- High Pressure Reset | 032508101 | 2 |
| R3, 4 | Relay- High Pressure | 032508101 | 2 |
| R20 | Relay- Gas, Steam, Hot Water Heat (Code 04= W, S, A) | 026213000 | 1 |
| R24 | Relay- Gas Heat | 032508101 | 1 |
| R25 | Relay, Gas Heat: Units with Inverters (Code 14= 1- 9) | 032508101 | 1 |
| R26 | Relay- Iso Damper | 073305401 | 1 |
| R28 | Relay- Isolation Damper (Code 40= BE OR Code 19= BE) | 026213000 | 1 |
| R45 | Relay- UV Lights | 026213000 | 1 |
| R46,47 | Relay- Supply Fan | 072789226 [2] | 1 |
| R48,49 | Relay- Exhaust Fan Inverter | 072789226 [2] | 1 |
| R64 | Relay- Sump Pump | 026213000 | 1 |
| R67 | Relay, Control: units with inverters (Code 14= 1- 9) | 073305401 | 1 |
| | Relay, Control: units w/o inverters (Code 14= Y) | 026213000 | 1 |
| R68 | Relay- Return Fan w/ Inverter or Exhaust Fan | 073305401 | 1 |
| | Relay- Return Fan w/o inverter | 026213000 | 1 |
| R69 | Relay- Inverters w/ Bypass (Code 14= 1, 2, 3, 4, 5, 8) | 032508101 | 1 |
| TD3, 4 | Relay, Time Delay- High Pressure | 111056701 | 2 |

[1] Not Shown on diagram.

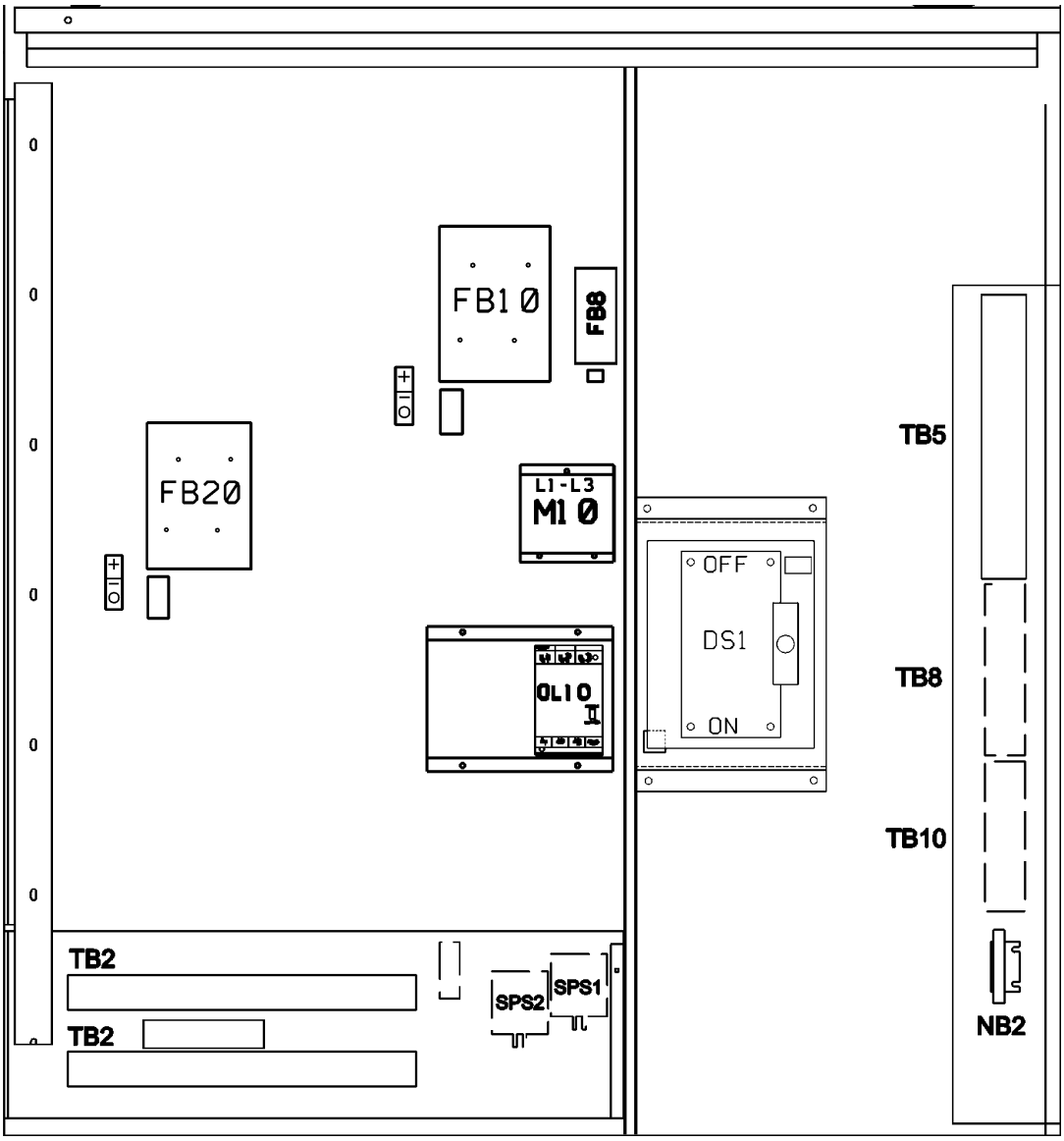
[2] Relay Assembly. Consists of: Relay- p/n 060017101; Socket Only- p/n 060016901; Clip Only- p/n 060017001.

# Section N- Controls
## MicroTech II: Code 12= *D, *S- 3/05 & Earlier
## Main Control Box Components, Continued

| Sch. Sym. | Part Description | | Part Number | Qty. |
|---|---|---|---|---|
| | **MicroTech II Controller and Associated Boards** | | | |
| MCB | Main Control Board [1] | | 060006101 | 1 |
| CCB1, 2 | Auxiliary Cooling Control Board [1] | | 112026101 | 2 |
| | Fuse, Auxiliary Cooling Control Board | | 112026501 | 2 |
| | Com Module- Bacnet MSTP (RS-485) | (Code 12= B*) | 060006202 | 1 |
| | Standoff- RS-485 Comm Module | | 048166707 | 4 |
| | Com Card- Bacnet with Ethernet | (Code 12= E*) | 060006201 | 1 |
| | Com Card- LonMark with Space Control | (Code 12= LS) | 060006203 | 1 |
| | Com Card- LonMark with Discharge Control | (Code 12= LD) | 060006204 | 1 |
| | Standoff- Com Card | | 048166706 | 4 |
| | Kit- Connector Repair [2] | | 300036605 | 1 |
| PWR | Power Supply | 5VDC | 111049610 | |
| | Serial Port Ribbon Cable [2] | | 111047201 | 1 |
| | Battery [2] | | 049754501 | 1 |
| EHB1 | Electric Heat Board [1] | (Code 04= E) | 112026101 | 1 |
| | Standoff EHB1 [2] | | 048166705 | 7 |
| | Communication Module | | 060006202 | 1 |
| | Standoff- Comm Module [2] | | 048166707 | 4 |
| Keypad | Keypad Assy | (Code 19= R, Y) | 060006301 | 1 |
| | Board- Remote Keypad Interface | (Code 19= R) | 112021601 | 1 |
| | Cable- Keypad [2] | | 111044601 | 1 |
| - | MicroTech II Remote Keypad Kit [2] | | 300040364 | 1 |
| | **Transducers and Pressure Controls** | | | |
| SPS1 | Static Pressure Transducer- Duct/Building | (Code 13= 1, 2, 3) | 049545007 | 1 |
| SPS2 | Static Pressure Transducer- Duct | (Code 13= 2) | 049545007 | 1 |
| | Static Pressure Transducer- Building | (Code 13= 3, 4) | 049545006 | 1 |
| DHL | Duct Hi-Limit Pressure Control [2] | | 065493801 | 1 |
| | Pressure Fitting- DHL [2] | | 049763002 | 1 |
| | **Sensors** | | | |
| ZNT1 | Sensor- Zone Temperature w/ Tenant Override [2] | | 111048101 | 1 |
| | Sensor- Zone Termp. w/ Tenant Override & Remote Setpoint Adjustment [2, 3] | | 111048102 | 1 |
| DAT | Sensor- Discharge Air Temperature [2] | | 060004705 | 1 |
| ENT | Sensor- Entering Air Temperature [2] | | 060004705 | 1 |
| OAT | Sensor- Outside Air Temperature [2] | | 060004705 | 1 |
| RAT | Sensor- Return Air Temperature [2] | | 060004705 | 1 |

[1] This Controller must be programmed in order to function correctly. When ordering a replacement, provide the unit model and serial number so the unit specific software code can be loaded before shipment.
[2] Not Shown on diagram.
[3] SCC Units only- Code 12= BS, LS, ES, SS.

# Section N- Controls
## MicroTech II: Code 12= *D, *S- 3/05 & Earlier
## Power Panel Diagram [1]




[1] The above diagram shows a typical Power Panel layout and is to be used for reference only. Specific unit components, component quantity, and component layout may differ depending upon unit size and options selected.

# Section N- Controls
## MicroTech II: Code 12= *D, *S- 3/05 & Earlier
## Power Panel Components

| Sch. Sym. | Part Description | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|
| | | | 208V | 230V | 460V | 575V |
| | **Disconnect Switch (Code 11= A2, B2, C2, D2)** | | | | | |
| DS1, 2 | Disconnect Switch 60A/600V | 031446200 | [1] | [1] | [1] | [1] |
| | Handle Mechanism- 60A Switch | 031322400 | | | | |
| | Disconnect Switch 100A/600V | 025860602 | [1] | [1] | [1] | [1] |
| | Handle Mechanism- 100A Switch | 025862400 | | | | |
| | Disconnect Switch 250A/600V | 047442104 | [1] | [1] | [1] | [1] |
| | Handle Mechanism- 250A Switch | 039903100 | | | | |
| | Disconnect Switch 400A/600V- 2 inlet holes | 047442111 | [1] | [1] | [1] | [1] |
| | Handle Mechanism- 400A Switch | 025862500 | | | | |
| | Disconnect Switch 400A/240V- 2 inlet holes | 025860702 | [1] | [1] | [1] | [1] |
| | Handle Mechanism- 400A Switch | 025862500 | | | | |
| | Disconnect Switch 400A/600V- 1 inlet hole | 047442109 | [1] | [1] | [1] | [1] |
| | Handle Mechanism- 400A Switch | 025862500 | | | | |
| | Disconnect Switch 400A/240V- 1 inlet hole | 047442108 | [1] | [1] | [1] | [1] |
| | Handle Mechanism- 400A Switch | 025862500 | | | | |
| | Disconnect Switch 600A/600V | 027070601 | [1] | [1] | [1] | [1] |
| | Handle Mechanism- 600A Switch | 028399200 | | | | |
| | Disconnect Switch 800A/600V- 2 inlet holes | 031019401 | [1] | [1] | | |
| | Handle Mechanism- 800A Switch | 031011600 | | | | |
| | Disconnect Switch 800A/600V- 1 inlet hole | 031019411 | | | [1] | [1] |
| | Handle Mechanism- 800A Switch | 031011611 | | | | |
| | Disconnect Switch 1200A/600V | 031019501 | [1] | [1] | [1] | [1] |
| | Handle Mechanism- 1200A Switch | 031011700 | | | | |

[1] The Disconnect Switch used on a given unit is contingent upon unit voltage, Motor horsepower, and other options. Check the part in the unit to size up the replacement, or contact Daikin Applied with the unit model and serial number information so that the correct part(s) can be identified. Note that DS2 is used only when Code 11= B2, C2, D2.

# Section N- Controls
## MicroTech II: Code 12= *D, *S- 3/05 & Earlier
## Power Panel Components, Continued

### 20 Horsepower Motor- Code 22 OR 32= N**

| Sch. Sym. | Part Description | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|
| | | | 208V | 230V | 460V | 575V |
| | **Contactors** | | | | | |
| M10, 20 | Contactor- Supply (M10), Return (M20) Fan Motor | [1] | 1 | 1 | 1 | 1 |
| | **Fuse Blocks and Fuses** | | | | | |
| FB10, 20 | Fuse Block- Supply (FB10), Return (FB20) Fan Motor | [1] | 1 | 1 | | 1 |
| | Fuse Block- Supply (FB10), Return (FB20) Fan Motor | 023780212 | | | 1 | |
| | Fuse- FB10 or FB20 | [1] | 3 | 3 | | 3 |
| | Fuse- FB10 or FB20 80A, 600V | 025860416 | | | 3 | |
| | **Overloads and Heaters** | | | | | |
| OL10, 20 | Overload- Supply (OL10), Return (OL20) Fan Motor | [2] | 1 | 1 | | 1 |
| | Overload- Supply (OL10), Return (OL20) Fan Motor | [2] | | | 1 | |
| | Overload Heater- OL10,20 | [2] | 1 | 1 | | 1 |
| | Overload Heater- OL10,20 | [2] | | | 1 | |

**NOTE: Quantities Listed are PER motor.**

[1] Contact Daikin Applied with the unit model and serial number information so that the correct part(s) can be identified.

[2] Note that there have been two different series of Overloads and Overload heaters used during the production run.

When replacing an Overload OR the matching Overload Heater it is VITAL to obtain vendor p/n and amperage rating from BOTH parts.

When replacing ONLY an Overload Heater, it is VERY IMPORTANT to first obtain vendor information and amperage rating from the existing Overload, Overload Heater, and Motor. It is important to obtain this information to ensure that the correct Overload Heater is selected since Overload Heaters are chosen based upon Motor amperage draw, AND Overload Heaters are NOT interchangeable between series. Also, Overload Heaters DO NOT automatically come with Overloads. OVERLOAD HEATERS MUST BE ORDERED SEPARATELY.

Once vendor and amperage information is obtained, contact Daikin Applied for p/ns.

# Section N- Controls
## MicroTech II: Code 12= *D, *S- 3/05 & Earlier
## Power Panel Components, Continued

### 40 Horsepower Motor- Code 22 OR 32= R**

| Sch. Sym. | Part Description | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|
| | | | 208V | 230V | 460V | 575V |
| | **Contactors** | | | | | |
| M10, 20 | Contactor- Supply (M10), Return (M20) Fan Motor | [1] | 1 | 1 | | 1 |
| | Contactor- Supply (M10), Return (M20) Fan Motor | 027514406 | | | 1 | |
| | **Fuse Blocks and Fuses** | | | | | |
| FB10, 20 | Fuse Block- Supply (FB10), Return (FB20) Fan Motor | [1] | 1 | 1 | | 1 |
| | Fuse Block- Supply (FB10), Return (FB20) Fan Motor | 023780212 | | | 1 | |
| | Fuse- FB10 or FB20 | [1] | 3 | 3 | | 3 |
| | Fuse- FB10 or FB20 80A, 600V | 025860416 | | | 3 | |
| | **Overloads and Heaters** | | | | | |
| OL10, 20 | Overload- Supply (OL10), Return (OL20) Fan Motor | [2] | 1 | 1 | | 1 |
| | Overload- Supply (OL10), Return (OL20) Fan Motor | [2] | | | 1 | |
| | Overload Heater- OL10,20 | [2] | 1 | 1 | | 1 |
| | Overload Heater- OL10,20 | [2] | | | 1 | |

**NOTE: Quantities Listed are PER motor.**

[1] Contact Daikin Applied with the unit model and serial number information so that the correct part(s) can be identified.

[2] Note that there have been two different series of Overloads and Overload heaters used during the production run.

When replacing an Overload OR the matching Overload Heater it is VITAL to obtain vendor p/n and amperage rating from BOTH parts.

When replacing ONLY an Overload Heater, it is VERY IMPORTANT to first obtain vendor information and amperage rating from the existing Overload, Overload Heater, and Motor. It is important to obtain this information to ensure that the correct Overload Heater is selected since Overload Heaters are chosen based upon Motor amperage draw, AND Overload Heaters are NOT interchangeable between series. Also, Overload Heaters DO NOT automatically come with Overloads. OVERLOAD HEATERS MUST BE ORDERED SEPARATELY.

Once vendor and amperage information is obtained, contact Daikin Applied for p/ns.

# Section N- Controls
## MicroTech II: Code 12= *D, *S- 3/05 & Earlier
## Power Panel Components, Continued

### 50 Horsepower Motor- Code 22 OR 32= S**

| Sch. Sym. | Part Description | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|
| | | | 208V | 230V | 460V | 575V |
| | **Contactors** | | | | | |
| M10, 20 | Contactor- Supply (M10), Return (M20) Fan Motor | [1] | 1 | 1 | 1 | 1 |
| | **Fuse Blocks and Fuses** | | | | | |
| FB10, 20 | Fuse Block- Supply (FB10), Return (FB20) Fan Motor | [1] | 1 | 1 | | 1 |
| | Fuse Block- Supply (FB10), Return (FB20) Fan Motor | 023780212 | | | 1 | |
| | Fuse- FB10 or FB20 | [1] | 3 | 3 | | 3 |
| | Fuse- FB10 or FB20 100A, 600V | 025860418 | | | 3 | |
| | **Overloads and Heaters** | | | | | |
| OL10, 20 | Overload- Supply (OL10), Return (OL20) Fan Motor | [2] | 1 | 1 | | 1 |
| | Overload- Supply (OL10), Return (OL20) Fan Motor | [2] | | | 1 | |
| | Overload Heater- OL10,20 | [2] | 1 | 1 | | 1 |
| | Overload Heater- OL10,20 | [2] | | | 1 | |

**NOTE: Quantities Listed are PER motor.**

[1] Contact Daikin Applied with the unit model and serial number information so that the correct part(s) can be identified.

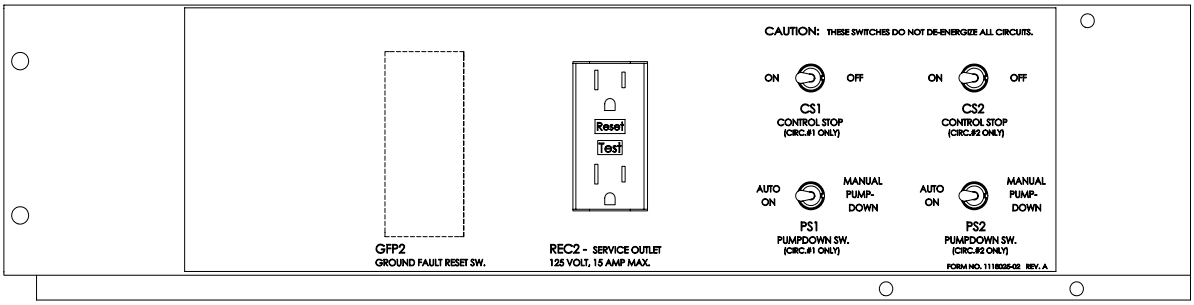
[2] Note that there have been two different series of Overloads and Overload heaters used during the production run.

When replacing an Overload OR the matching Overload Heater it is VITAL to obtain vendor p/n and amperage rating from BOTH parts.

When replacing ONLY an Overload Heater, it is VERY IMPORTANT to first obtain vendor information and amperage rating from the existing Overload, Overload Heater, and Motor. It is important to obtain this information to ensure that the correct Overload Heater is selected since Overload Heaters are chosen based upon Motor amperage draw, AND Overload Heaters are NOT interchangeable between series. Also, Overload Heaters DO NOT automatically come with Overloads. OVERLOAD HEATERS MUST BE ORDERED SEPARATELY.

Once vendor and amperage information is obtained, contact Daikin Applied for p/ns.

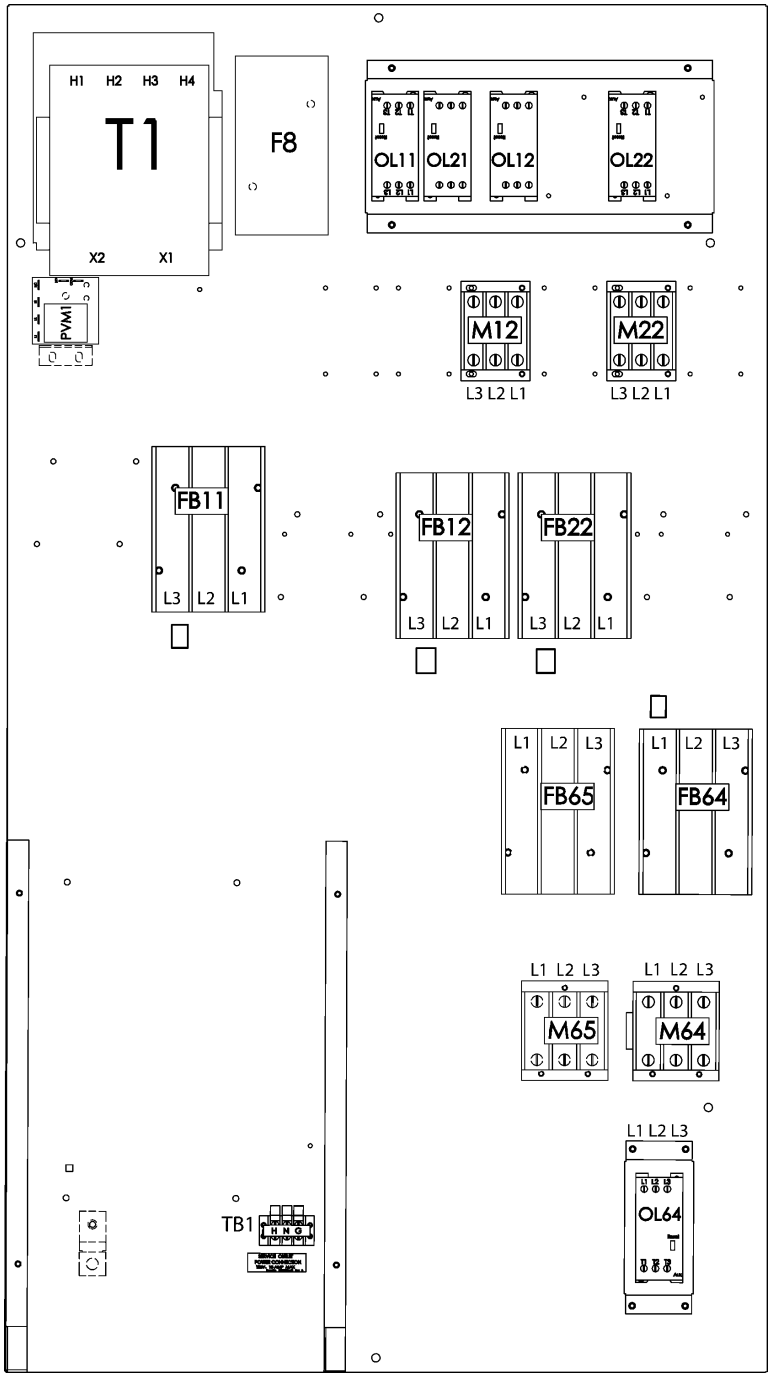
# Section N- Controls
## MicroTech II: Code 12= *D, *S- 3/05 & Earlier
## Control/Switch Panel [1]




| Sch. Sym. | Part Description | Part Number | Qty. |
|---|---|---|---|
| CS1, 2 | Switch- Control Stop | 802005045 | 2 |
| PS1, 2 | Switch- Pumpdown | 802005045 | 2 |
| REC2 | Receptacle- GFI | 039003600 | 1 |

[1] The above diagram shows a typical Control/Switch Panel layout and is to be used for reference only. Specific unit components, component quantity, and component layout may differ depending upon unit options selected.

# Section N- Controls
## MicroTech II: Code 12= *D, *S- 3/05 & Earlier
## Condenser Control Box- Diagrams [1]




[1] The above diagram shows a typical four Fan Condenser Control Box layout (sizes 076-100C) and is to be used for reference only. Specific unit components, component quantity, and component layout may differ depending upon unit size, and options selected.

# Section N- Controls
## MicroTech II: Code 12= *D, *S- 3/05 & Earlier
## Condenser Control Box- Components

| Sch. Sym. | Part Description | | Part Number | Unit Sizes | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 076- 100 | | | | 110- 150 | | | |
| | | | | 208V | 230V | 460V | 575V | 208V | 230V | 460V | 575V |
| | **Transformer** | | | | | | | | | | |
| T1 | Transformer- Main | | [2] | 1 | 1 | | 1 | 1 | 1 | | 1 |
| | Transformer- Main, Gas Heat | (Code 04= A) | 038253904 | | | 1 | | | | 1 | |
| | Transformer- Main, No Heat | (Code 04= Y) | 038253932 | | | 1 | | | | 1 | |
| | **Fuse Blocks & Fuses** | | | | | | | | | | |
| FB8 | Fuse Block- T1 Transformer | 2P, 30A | 023780203 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | Fuse- FB8 Fuse Block | | [2] | 2 | 2 | | 2 | 2 | 2 | | 2 |
| | Fuse- FB8 Fuse Block, Gas Heat | (Code 04= A) | 025860437 | | | 2 | | | | 2 | |
| | Fuse- FB8 Fuse Block, No Heat | (Code 04= Y) | 025860433 | | | 2 | | | | 2 | |
| FB11, 12 | Fuse Block- Condenser Fan | | 023780202 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | Fuse- FB11, FB12 | | [2] | 6 | 6 | | 6 | 6 | 6 | | 6 |
| | Fuse- FB11, FB12 | 15A, 600V | 025860405 | | | 6 | | | | 6 | |
| FB22, 23 | Fuse Block- Condenser Fan | | 023780202 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | Fuse- FB22, FB23 | | [2] | 6 | 6 | | 6 | 6 | 6 | | 6 |
| | Fuse- FB22, FB23 | 15A, 600V | 025860405 | | | 6 | | | | 6 | |
| FB64 | Fuse Block- Water Pump | | 023780205 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | Fuse- FB64 | 15A, 600V | 025860405 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| FB65 | Fuse Block- Sump Heater | | 023780204 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | Fuse- FB65 | 15A, 280V | 025860505 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | **Terminal Block** | | | | | | | | | | |
| TB1 | Terminal Block- Receptacle | 6P, 20A | 022431206 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | **Phase Voltage Monitor** [1] | | | | | | | | | | |
| PVM1 | Phase Voltage Monitor | | 098860401 | 1 | 1 | 1 | [2] | 1 | 1 | 1 | [2] |
| | **Overloads** | | | | | | | | | | |
| OL11, 12, OL21, 22 | Overload- Condenser Fans | | [3] | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| OL13, 23 | Overload- Condenser Fans | | [3] | | | | | 2 | 2 | 2 | 2 |
| OL64 | Overload- Water Pump | | [3] | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | Heater- Cond. Fan/Water Pump Overload | | [3] | 5 | 5 | 5 | 5 | 7 | 7 | 7 | 7 |
| | **Contactors** | | | | | | | | | | |
| M12, 22 | Contactor- Condenser Fan Motor | | 041769601 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| M13, 23 | Contactor- Condenser Fan Motor | | 041769601 | | | | | 2 | 2 | 2 | 2 |
| M64 | Contactor- Water Pump | | 027514401 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

[1] Phase Voltage Monitor is used when Code 17= *P, *A, *C, *D, *H, *J, *K.

[2] Contact Daikin Applied with model and serial number information so that the correct part(s) can be identified.

[3] Note that there have been two different series of Overloads and Overload heaters used during the production run.

When replacing an Overload OR the matching Overload Heater it is VITAL to obtain vendor p/n and amperage rating from BOTH parts.

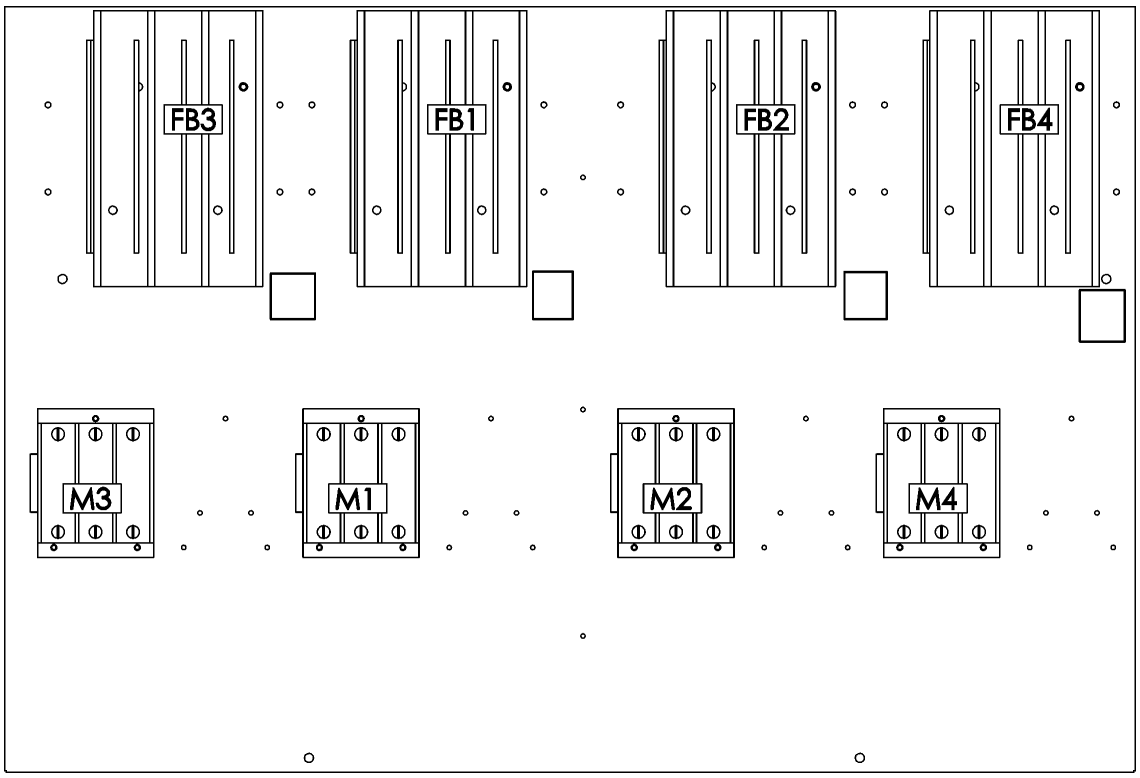
When replacing ONLY an Overload Heater, it is VERY IMPORTANT to first obtain vendor information and amperage rating from the existing Overload, Overload Heater, and Motor. It is important to obtain this information to ensure that the correct Overload Heater is selected since Overload Heaters are chosen based upon Motor amperage draw, AND Overload Heaters are NOT interchangeable between series. Also, Overload Heaters DO NOT automatically come with Overloads. OVERLOAD HEATERS MUST BE ORDERED SEPARATELY.

Once vendor and amperage information is obtained, contact Daikin Applied for p/ns.

# Section N- Controls

## MicroTech II: Code 12= *D, *S- 3/05 & Earlier

## Compressor Control Box- Diagram [1]




[1] The above diagram shows a typical four Compressor Control Box layout (sizes 110- 150C) and is to be used for reference only. Specific unit components, component quantity, and component layout may differ depending upon unit size and options selected.

# Section N- Controls
## MicroTech II: Code 12= *D, *S- 3/05 & Earlier
## Compressor Control Box- Components

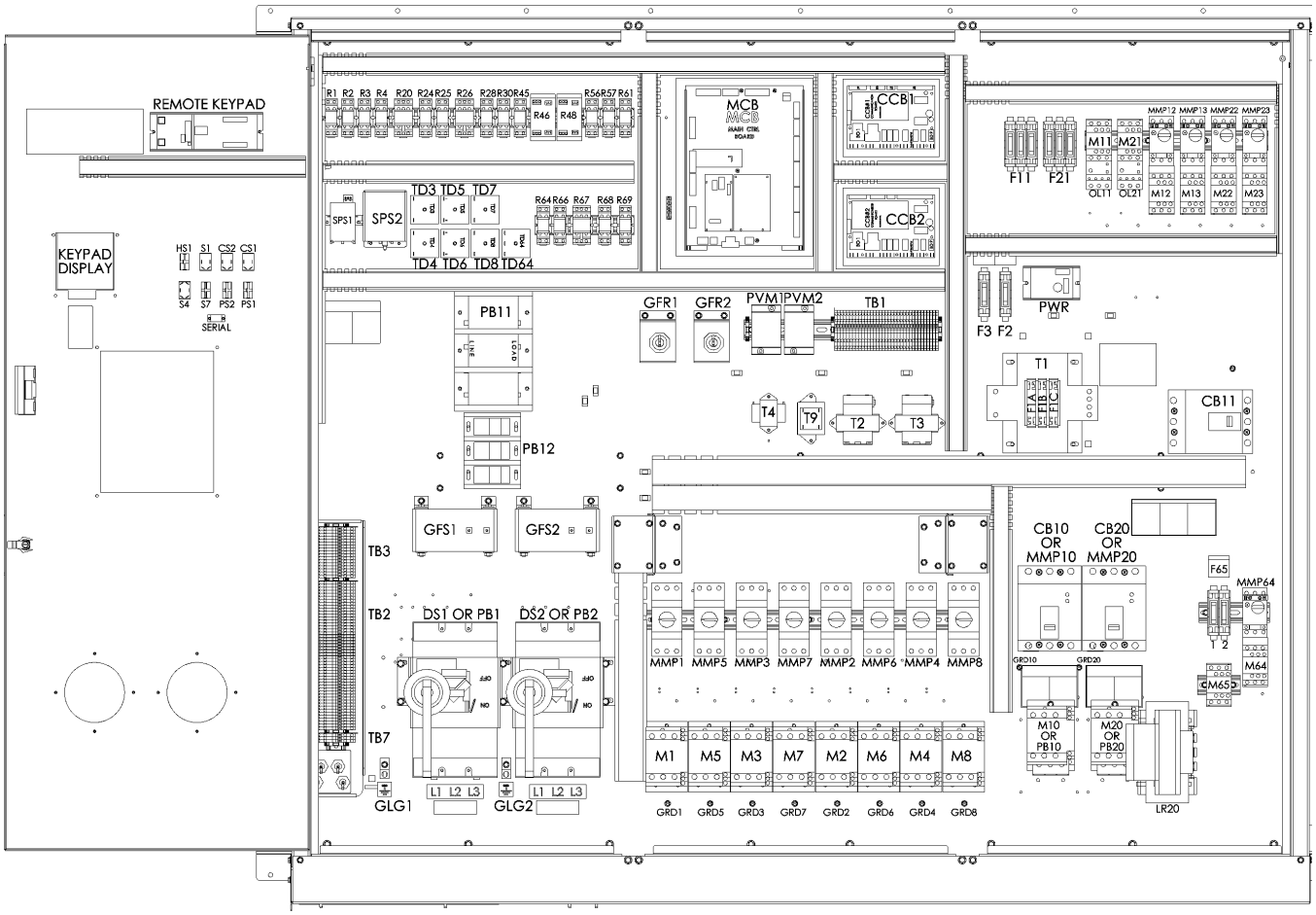
| Sch. Sym. | Part Description | Part Number | Unit Size | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 076 | | | 089 | | | 100 | | | 110 | | | 130 | | | 140 | | | 150 | | |
| | | | 208/230V | 460V | 575V | 208/230V | 460V | 575V | 208/230V | 460V | 575V | 208/230V | 460V | 575V | 208/230V | 460V | 575V | 208/230V | 460V | 575V | 208/230V | 460V | 575V |
| | **Fuse Blocks & Fuses** [1] | | | | | | | | | | | | | | | | | | | | | | |
| FB1, 2 | Fuse Block- Compressor | [2] | 2 | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | 2 | 2 | 2 | 2 | 2 | | 2 | 2 | 2 | 2 |
| | Fuse Block- Compressor | 023780212 | | 2 | | | | | | | | | | | | | | | | | | | |
| | Fuse Block- Compressor | 023780210 | | | | | | | | | | | 2 | | | | | | 2 | | | | |
| | Fuse- FB1 OR FB2 | [2] | 6 | | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | | 6 | 6 | 6 | 6 | 6 | | 6 | 6 | 6 | 6 |
| | Fuse- FB1 OR FB2 80A | 025860416 | | 6 | | | | | | | | | | | | | | | 6 | | | | |
| FB3, 4 | Fuse Block- Compressor | [2] | | | | | | | | | | 2 | | 2 | 2 | 2 | 2 | 2 | | 2 | 2 | 2 | 2 |
| | Fuse Block- Compressor | 023780212 | | | | | | | | | | | | | | | | | 2 | | | | |
| | Fuse Block- Compressor | 023780210 | | | | | | | | | | | 2 | | | | | | | | | | |
| | Fuse- FB1 OR FB2 | [2] | | | | | | | | | | 6 | | 6 | 6 | 6 | 6 | 6 | | 6 | 6 | 6 | 6 |
| | Fuse- FB1 OR FB2 60A | 025860414 | | | | | | | | | | | 6 | | | | | | | | | | |
| | Fuse- FB1 OR FB2 80A | 025860416 | | | | | | | | | | | | | | | | | 6 | | | | |
| | **Contactors** [1] | | | | | | | | | | | | | | | | | | | | | | |
| M1, 2 | Contactor- Compressor | [2] | 2 | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | 2 | 2 | 2 | 2 | 2 | | 2 | 2 | 2 | 2 |
| | Contactor- Compressor 60A | 027514405 | | 2 | | | | | | | | | | | | | | | 2 | | | | |
| | Contactor- Compressor 50A | 027514404 | | | | | | | | | | | 2 | | | | | | | | | | |
| M3, 4 | Contactor- Compressor | [2] | | | | | | | | | | 2 | | 2 | 2 | 2 | 2 | 2 | | 2 | 2 | 2 | 2 |
| | Contactor- Compressor 50A | 027514404 | | | | | | | | | | | 2 | | | | | | | | | | |
| | Contactor- Compressor 60A | 027514405 | | | | | | | | | | | | | | | | | 2 | | | | |

[1] There is one component PER compressor.
[2] Contact Daikin Applied with model and serial number information so that the correct part(s) can be identified.

# Section N- Controls

## MicroTech II: Code 12= *D, *S- 4/05 thru 12/06

## Main Control Box Diagram [1]




[1] The above diagram shows a typical four compressor (size 110- 150C) Main Control Box layout and is to be used for reference only. Specific unit components, component quantity, and component layout may differ depending upon unit size and options selected.

# Section N- Controls
## MicroTech II: Code 12= *D, *S- 4/05 thru 12/06
## Main Control Box Common Components

| Sch. Sym. | Part Description | | Part Number | Qty. |
|---|---|---|---|---|
| | **Main Controller** | | | |
| MCB | Main Controller [1] | | 060006101 | 1 |
| | Com Card- Bacnet | (Code 12= B*) | 060006202 | 1 |
| | Com Card- Bacnet with Ethernet | (Code 12= E*) | 060006201 | 1 |
| | Com Card- LonMark Space Control | (Code 12= LS) | 060006203 | 1 |
| | Com Card- LonMark Discharge Control | (Code 12= LD) | 060006204 | 1 |
| | Standoff- Com Card | | 048166706 | 4 |
| | Kit- Connector Repair | | 300036605 | 1 |
| | Serial Port Ribbon Cable | | 111047201 | 1 |
| | Battery | | 049754501 | 1 |
| | Grounding Bar | | 349936901 | 1 |
| | **Keypad** | | | |
| Keypad | Keypad | | 060006301 | 1 |
| | Remote Keypad Interface Board | | 112021601 | 1 |
| | Cable- Interface | | 349938501 | 1 |
| | **Compressor Controller** | | | |
| CCB1,2 | Expansion Board- Compressor Controller [1] | | 112026101 | 2 |
| | Fuse- Expansion Board | | 112026501 | 1 |
| | Standoff- Expansion Board | | 048166705 | 14 |
| | Comm. Card- Bacnet | | 060006202 | 2 |
| | Standoff- Comm. Card | | 048166707 | 8 |
| RES | Resistor- CCB1 | | 060003901 | 1 |
| | **Electric Heat Board** | | | |
| EHB1 | Expansion Board- Electric Heat [1] | | 112026101 | 1 |
| | Standoff- Expansion Board | | 048166705 | 7 |
| | Expansion Board Comm. Card- Bacnet | | 060006202 | 1 |
| | Standoff- Comm. Card | | 048166707 | 4 |
| | **Switches- Control** | | | |
| HS1 | Switch- Electric Heat Shutdown | (Code 04= E) | 802005045 | 1 |
| PS1,2 | Switch- Pumpdown | | 802005045 | 2 |
| CS1,2 | Switch- Control | | 018446400 | 2 |
| S1 | Switch- System On/Off | | | |
| | Gas Heat Units | (Code 04= A) | 018446400 | 1 |
| | Elec.,Steam,HW, No Heat | (Code 04= E,S,W,Y) | 802005045 | 1 |
| S4 | Switch- Inverter Bypass On/Off | | 028798400 | 1 |
| S7 | Switch- Local On/Auto/Off to Controller | | 349931201 | 1 |
| | **Serial Cables** | | | |
| Serial | Serial Cable | | 111047201 | 1 |
| | **Duct Hi Limit and Duct Static Pressure Sensors** | | | |
| DHL | Duct Hi Limit Switch | | 065493801 | 1 |
| SPS1 | Pressure Transducer- Duct Sensor | (Code 13= 1, 2, 3) | 049545007 | 1 |
| SPS2 | Pressure Transducer- Duct Sensor | (Code 13= 2) | 049545007 | 1 |
| | Pressure Transducer- Space Sensor | (Code 13= 3, 4) | 049545006 | 1 |

[1] This Controller must be programmed in order to function correctly. When ordering a replacement, provide the unit model and serial number so the unit specific software code can be loaded before shipment.

# Section N- Controls
## MicroTech II: Code 12= *D, *S- 4/05 thru 12/06
## Main Control Box Common Components, Continued

| Sch. Sym. | Part Description | | Part Number | Qty. |
|---|---|---|---|---|
| | **Relays** | | | |
| R1, 2 | Relay- Hi Pressure Reset | | 349934704 | 2 |
| R3, 4 | Relay- Hi Pressure Delay | | 349934704 | 2 |
| R5.1,5.2 | Relay- Safety | | 349934704 | 2 |
| R6.1,6.2 | Relay- Safety | | 349934704 | 2 |
| R7.1, 7.2 | Relay- Safety | | 349934704 | 2 |
| R8.1, 8.2 | Relay- Safety | | 349934704 | 2 |
| R9, 10 | Relay- Compressor Lockout | | 349934704 | 2 |
| R11, 12 | Relay- Speedtrol Fan Cycling | (Code 47= 2) | 349934704 | 2 |
| R13.1,13.2 | Relay- Safety | | 349934704 | 2 |
| R14.1,14.2 | Relay- Safety | | 349934704 | 2 |
| R18, 19 | Relay- Cooling Failure Indicator | | 349934701 | 2 |
| R20 | Relay- Steam or Hot Water Heat | (Code 04= S, W) | 349934901 | 1 |
| | Relay- Electric Heat | (Code 04= E) | 349934701 | 1 |
| | Relay- Gas Heat [1] | (Code 04= A) | | |
| | Hi Turn Down Burner | (Code 34 [Digit 5]= H, T ,U) | 016508002 | 1 |
| | Modulating Burner | (Code 34 [Digit 5]= E, R, S | 026213000 | 1 |
| R24 | Relay- Gas Heat Alarm | (Code 04= A) | 349934704 | 1 |
| R25 | Relay- Gas Heat, Start Supply Fan Inverter | (Code 14= 1, 2,3,5,6,7) | 349934704 | 1 |
| R26 | Relay- Isolation Damper- Open/Close | | 349934901 | 1 |
| R28 | Relay- Isolation Damper Safety | | 349934701 | 1 |
| R30 | Relay- Cool Valve w/ Face Bypass | | 349934704 | 1 |
| R45 | Relay- UV Lights | | 349934701 | 1 |
| R46 | Relay- Inverter, Supply Fan increase/Decrease | (Code 14= 1-3,5-7) | 112033501 | 1 |
| R48 | Relay- Inverter, Return Fan increase/Decrease | (Code 14= 2,4,5,7-9) | 112033501 | 1 |
| R61 | Relay- Discharge Air Smoke Detector | | 349934701 | 1 |
| R63 | Relay- Specials | | 349934901 | 1 |
| R64 | Relay- Sump Pump | | 349934701 | 1 |
| R66 | Relay- Return Air Smoke Detector | (Code 16= 1, 3) | 349934701 | 1 |
| R67 | Relay- Supply Fan Enable | | 349934701 | 1 |
| R68 | Relay- Return Fan Enable | | 349934701 | 1 |
| R69 | Relay- Inverter Bypass VAV Interlock | (Code 14= 1- 9) | 349934704 | 1 |
| R70 | Relay- Specials | | 349934701 | 1 |

[1] All R20 options are detailed here but for units with Gas Heat (Code 04= A), R20 is located in the Gas Heat Control Box (see Section G).

# Section N- Controls
## MicroTech II: Code 12= *D, *S- 4/05 thru 12/06
## Main Control Box Common Components, Continued

| Sch. Sym. | Description | | Part Number | Qty. |
|---|---|---|---|---|
| | **Time Delays** | | | |
| TD1 | Time Delay- Compressor Lockout | 300 Sec. | 028210138 | 1 |
| TD2 | Time Delay- Compressor Lockout | 300 Sec. | 028210138 | 1 |
| TD3 | Time Delay- Hi Pressure | 5 Sec. | 111056701 | 1 |
| TD4 | Time Delay- Hi Pressure | 5 Sec. | 111056701 | 1 |
| TD11 | Time Delay- Low Ambient | 165 Sec. | 032358500 | 1 |
| TD12 | Time Delay- Low Ambient | 165 Sec. | 032358500 | 1 |
| | **Transformers- Controls** | | | |
| T2 | Transformer- Control Input | 115- 24V | 300041236 | 1 |
| T3 | Transformer- Control Output | 115- 24V | 300041236 | 1 |
| T4 | Transformer- Exhaust Damper Actuator | 115- 12VDC | 349931801 | 1 |
| T9 | Transformer- Refrigerant Circuit | 24V | 349937201 | 1 |
| | **Terminal Blocks** | | | |
| TB1 | Terminal Block- Internal | | 349930605 | [3] |
| | **Sensors** | | | |
| ZNT1 | Sensor- Zone Temperature w/ Tenant Override [2] | | 111048101 | 1 |
| | Sensor- Zone Temp. w/ Tenant Override & Remote Setpoint Adj. [1, 2] | | 111048102 | 1 |
| DAT | Sensor- Discharge Air Temperature [2] | | 060004705 | 1 |
| ENT | Sensor- Entering Air Temperature [2] | | 060004705 | 1 |
| OAT | Sensor- Outside Air Temperature [2] | | 060004705 | 1 |
| RAT | Sensor- Return Air Temperature [2] | | 060004705 | 1 |
| | **Plugs** [4] | | | |
| [5] | 4 Pin Plug | | 349930201 | varies |
| [6] | 6 Pin Plug | | 349930403 | varies |
| [7] | 12 Pin Plug | | 349930405 | varies |
| [8] | 3 Pin Cap Kit | | 349930501 | varies |
| [9] | 6 Pin Cap Kit | | 349930503 | varies |
| [10] | 9 Pin Cap Kit | | 349930504 | varies |
| [11] | 15 Pin Cap Kit | | 349930506 | varies |

[1] SCC Units only- Code 12= BS, LS, ES, SS.
[2] Not Shown on diagram.
[3] Varies depending on unit options. Part number is for one individual section. Ground Block is p/n 349930606.
[4] All possible Plugs used are listed. Check actual unit to verify which Plug is required. Not shown on diagram.
[5] Used for PL1, PL, 2, PL3, PL4, PL5, PL6, PL22,PL23, PL24, PL37, PL38.
[6] Used with Strain Relief (p/n 300041173) & 6 pin Cap Kit (p/n 349930503). Used for PL20, PL21.
[7] Used for PL11, PL12, PL25, PL26, PL27, PL28, PL29, PL30 (PL11 & 12 also use Strain Relief p/n 300041175 & Cap Kit p/n 349930505).
[8] Used for PL16, PL17, PL31, PL32, PL33, PL34, PL39, PL40, PL41, PL42.
[9] Used for PL9, PL10.
[10] Used for PL18, PL19, PL35, PL36, PL43.
[11] Used for PL7, PL8.

# Section N- Controls
## MicroTech II: Code 12= *D, *S- 4/05 thru 12/06
## Main Control Box Common Components, Continued

| Sch. Sym. | Part Description | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|
| | | | 208V | 230V | 460V | 575V |
| | **Terminal Blocks** | | | | | |
| TB2 | Terminal Block- Field | 349930603 | [1] | [1] | [1] | [1] |
| TB3 | Terminal Block- Factory | 349930603 | [1] | [1] | [1] | [1] |
| TB4 | Terminal Block- Field | 349930603 | [1] | [1] | [1] | [1] |
| TB7 | Terminal Block- Field Convenience Outlet | 349930603 | [1] | [1] | [1] | [1] |
| | **Transformer- Main [2]** | | | | | |
| T1 | Transformer- Main Control | | | | | |
| | Electric, Hydronic, No Heat (Code 04= E,S,W,Y) | | | | | |
| | Units without UV Lights 1.5KVA | 038253966 | 1 | | | |
| | Units without UV Lights 1.5KVA | 038253991 | | 1 | 1 | 1 |
| | Gas Heat (Code 04= A) | | | | | |
| | Units without UV Lights 1.5KVA | 038253967 | 1 | | | |
| | Units without UV Lights 1.5KVA | 038253992 | | 1 | 1 | 1 |
| | **Fuses- T1 [2]** | | | | | |
| F1A, B | Fuse- T1 Transformer, Primary | | | | | |
| | Electric, Hydronic, No Heat (Code 04= E,S,W,Y) | | | | | |
| | Units without UV Lights 20A | 300042980 | 2 | | | |
| | Units without UV Lights 15A | 300043312 | | 2 | | |
| | Units without UV Lights 8A | 049759814 | | | 2 | |
| | Units without UV Lights 7A | 349937127 | | | | 2 |
| | Gas Heat (Code 04= A) | | | | | |
| | Units without UV Lights 25A | 349937136 | 2 | 2 | | |
| | Units without UV Lights 12A | 349937132 | | | 2 | |
| | Units without UV Lights 9A | 049759815 | | | | 2 |
| F1C | Fuse- T1 Transformer ,Secondary | 042753122 | 1 | 1 | 1 | 1 |
| F3 | Fuse- Burner Blower Motor (Code 04= A) | | | | | |
| | Fuse Block | 023780223 | 1 | 1 | 1 | 1 |
| | Fuse 200- 1000 mbh furnace | 349937035 | 1 | 1 | 1 | 1 |
| | Fuse 1100- 2000 mbh furnace | 349937036 | 1 | 1 | 1 | 1 |
| | Fuse Cover | 349938207 | 1 | 1 | 1 | 1 |
| PWR | **Power Supply Board** 5VDC | 111049610 | 1 | 1 | 1 | 1 |
| | **Ground Fault Protection (Code 17 [Digit 2]= G,B,C,D,K)** | | | | | |
| GFR1, 2 | Ground Fault Relay- SPDT | 349937502 | 1 | 1 | 1 | 1 |
| GFS1, 2 | Ground Fault Sensor | 349937407 | 1 | 1 | 1 | 1 |
| | **Water Pump/Sump Heater Components** | | | | | |
| M64 | Contactor- Water Pump 9A | 349934201 | 1 | 1 | 1 | 1 |
| MMP64 | Motor Protector- Water Pump 4- 6.3A | 300041315 | 1 | 1 | | |
| | Motor Protector- Water Pump 2.5- 4.0A | 300041314 | | | 1 | |
| | Motor Protector- Water Pump 1.6- 2.5A | 300041313 | | | | 1 |
| - | Spacer | 349906501 | 2 | 2 | 2 | 2 |
| - | Link | 349932901 | 1 | 1 | 1 | 1 |
| M65 | Contactor- Sump Heater 32A | 300041218 | 1 | 1 | | |
| | Contactor- Sump Heater 22A | 300041225 | | | 1 | |
| | Contactor- Sump Heater 17.5A | 349932103 | | | | 1 |
| FB65 | Fuse Block- Sump Heater | 023780222 | 1 | 1 | 1 | 1 |
| | Fuse 25A | 349937136 | 2 | | | |
| | Fuse 20A | 349937135 | | 2 | | |
| | Fuse 12A | 349937132 | | | 2 | |
| | Fuse 10A | 349937131 | | | | 2 |
| | Fuse Guard | 349938207 | 2 | 2 | 2 | 2 |

[1] Varies depending on unit options. Part number is for one individual section. Ground block is p/n 349930604.
[2] For units with UV Lights (Code 17, Digit 2= 1- 9) contact Daikin Applied with model and serial number information so that the correct part(s) can be identified.

# Section N- Controls
## MicroTech II: Code 12= *D, *S- 4/05 thru 12/06
## Main Control Box Common Components, Continued

| Sch. Sym. | Part Description | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|
| | | | 208V | 230V | 460V | 575V |
| | **Phase Voltage Monitor (Code 17 [Digit 2]= P,A,C,D,H,J,K)** | | | | | |
| PVM1, 2 | Phase Voltage Monitor | 112022001 | 2 | 2 | 2 | |
| | Phase Voltage Monitor | 112022002 | | | | 2 |
| | **Power Blocks** | | | | | |
| PB1, PB2 | Power Block- Main (Code 11= P1, Q1) | | | | | |
| | Power Block- 175A [1] | 030372710 | 1 | 1 | 1 | 1 |
| | Cover- 175A Block | 349938301 | 1 | 1 | 1 | 1 |
| | Lug- 175A Block | 349938001 | 1 | 1 | 1 | 1 |
| | Power Block- 255A [1] | 030372734 | 1 | 1 | 1 | 1 |
| | Cover- 255A Block | 349938302 | 1 | 1 | 1 | 1 |
| | Lug- 255A Block | 349938001 | 1 | 1 | 1 | 1 |
| | Power Block- 380A [1] | 030372751 | 1 | 1 | 1 | 1 |
| | Cover- 380A Block | 349938302 | 1 | 1 | 1 | 1 |
| | Lug- 380A Block | 349938001 | 1 | 1 | 1 | 1 |
| | Power Block- 420A [1] | 030372752 | 1 | 1 | 1 | 1 |
| | Cover- 420A Block | 349938302 | 1 | 1 | 1 | 1 |
| | Lug- 420A Block | 349938002 | 1 | 1 | 1 | 1 |
| | Power Block- 620A [1] | 030372701 | 1 | 1 | 1 | 1 |
| | Cover- 620A Block | 349938303 | 3 | 3 | 3 | 3 |
| | Lug- 620A Block | 349938002 | 1 | 1 | 1 | 1 |
| | Power Block- 760A [1] | 030372760 | 1 | 1 | 1 | 1 |
| | Cover- 760A Block | 349938303 | 3 | 3 | 3 | 3 |
| | Lug- 760A Block | 349938003 | 1 | 1 | 1 | 1 |
| | Power Block- 840A [1] | 030372724 | 1 | 1 | 1 | 1 |
| | Cover- 840A Block | 349938303 | 3 | 3 | 3 | 3 |
| | Lug- 840A Block | 349938003 | 1 | 1 | 1 | 1 |
| PB11 | Power Block- Power Distribution | | | | | |
| | Power Block- 175A [1] | 030372705 | 1 | 1 | 1 | 1 |
| | Cover- 175A Block | 349938301 | 1 | 1 | 1 | 1 |
| | Power Block- 310A [1] | 030372749 | 1 | 1 | 1 | 1 |
| | Cover- 310A Block | 349938302 | 1 | 1 | 1 | 1 |
| | Power Block- 420A [1] | 030372752 | 1 | 1 | 1 | 1 |
| | Cover- 420A Block | 349938302 | 1 | 1 | 1 | 1 |
| | Power Block- 760A [1] | 030372728 | 1 | 1 | 1 | 1 |
| | Cover- 760A Block | 349938303 | 1 | 1 | 1 | 1 |
| PB12 | Power Block- Power Distribution (Code 04= E) | | | | | |
| | 20, 40 KW Electric Heat | 030372730 | 1 | 1 | 1 | 1 |
| | 60, 80, 100 KW Electric Heat | 030372744 | 1 | 1 | | |
| | 60, 80, 100 KW Electric Heat | 030372730 | | | 1 | 1 |
| | 120 KW Electric Heat | 030372752 | 1 | 1 | | |
| | 120, 160 KW Electric Heat | 030372744 | | | 1 | 1 |
| | 200, 240, 280, 320 KW Electric Heat | 030372752 | | | 1 | 1 |
| PB10 | Power Block- Supply Fan (Code 15= F) | 030372729 | 1 | 1 | 1 | 1 |
| PB20 | Power Block- Return Fan (Code 15= F) | 030372729 | 1 | 1 | 1 | 1 |

[1] Any of the listed parts may be used, depending on unit options. Check installed part to verify, or contact Daikin Applied with unit serial and/or GO number to ensure correct replacement is selected. PB2 is installed when code 11= Q1.

# Section N- Controls
## MicroTech II: Code 12= *D, *S- 4/05 thru 12/06
## Main Control Box Common Components, Continued

| Sch. Sym. | Part Description | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|
| | | | 208V | 230V | 460V | 575V |
| | **Receptacle** | | | | | |
| REC1 | Receptacle | 039003100 | 1 | 1 | 1 | 1 |
| | **Disconnect Switch** | | | | | |
| DS1 | Disconnect Switch- Main (Code 11= A2, C2, D2) | | | | | |
| DS2 | Disconnect Switch- RAF/SAF (Code 11= C2, B2, D2) | | | | | |
| | Switch- 100A [1, 3] | 349935101 | 1 | 1 | 1 | 1 |
| | Lugs | 349935901 | 3 [2] | 3 [2] | 3 [2] | 3 [2] |
| | Lug | 300041488 | 1 | 1 | 1 | 1 |
| | Handle | 349935501 | 1 | 1 | 1 | 1 |
| | Ground Lug | 349938001 | 1 | 1 | 1 | 1 |
| | Switch- 150A [1] | 349935102 | 1 | 1 | 1 | 1 |
| | Lugs | 349935901 | 6 [2] | 6 [2] | 6 [2] | 6 [2] |
| | Handle | 349935501 | 1 | 1 | 1 | 1 |
| | Ground Lug | 349938001 | 1 | 1 | 1 | 1 |
| | Switch- 250A [1] | 349935201 | 1 | 1 | 1 | 1 |
| | Lugs | 349936001 | 6 [2] | 6 [2] | 6 [2] | 6 [2] |
| | Handle | 349935501 | 1 | 1 | 1 | 1 |
| | Ground Lug | 349938001 | 1 | 1 | 1 | 1 |
| | Switch- 400A [1] | 349935301 | 1 | 1 | 1 | 1 |
| | Lugs | 349936201 | 2 [2] | 2 [2] | 2 [2] | 2 [2] |
| | Handle | 349935602 | 1 | 1 | 1 | 1 |
| | Ground Lug | 349938002 | 1 | 1 | 1 | 1 |
| | Switch- 600A [1] | 349935302 | 1 | 1 | 1 | 1 |
| | Lugs | 349936201 | 2 [2] | 2 [2] | 2 [2] | 2 [2] |
| | Handle | 349935602 | 1 | 1 | 1 | 1 |
| | Ground Lug | 349938002 | 1 | 1 | 1 | 1 |
| | Switch- 800A [1] | 349935401 | 1 | 1 | 1 | 1 |
| | Lugs | 349936401 | 6 | 6 | 6 | 6 |
| | Handle | 349935701 | 1 | 1 | 1 | 1 |
| | Ground Lug | 349938003 | 1 | 1 | 1 | 1 |
| | Switch- 1200A [1, 4] | 349935403 | 1 | 1 | 1 | 1 |
| | Lugs | 349936501 | 6 | 6 | 6 | 6 |
| | Handle | 349935701 | 1 | 1 | 1 | 1 |
| | Ground Lug | 349938003 | 1 | 1 | 1 | 1 |

[1] Any of the listed disconnects may be used, depending on unit options. Check installed part to verify, or contact Daikin Applied with unit serial and/or GO number to ensure correct replacement is selected.

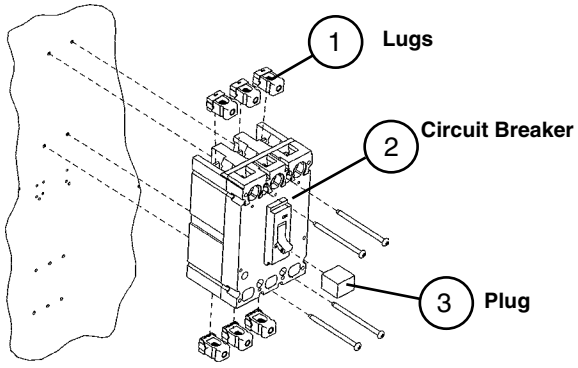
[2] The Lug quantites listed are for the DS1. DS2 use ½ the quantity plus an additional Lug: 150A Lug p/n 300041488; 250A Lug p/n 349936101; 400A Lug p/n TACL40PD3; 600A Lug p/n 349936301.

[3] DS2 only.

[4] DS1 only.

# Section N- Controls

## MicroTech II: Code 12= *D, *S- 4/05 thru 12/06
## Supply Fan CB10, and Return Fan CB20 Circuit Breaker Detail
## Motor Horsepower 5 thru 25

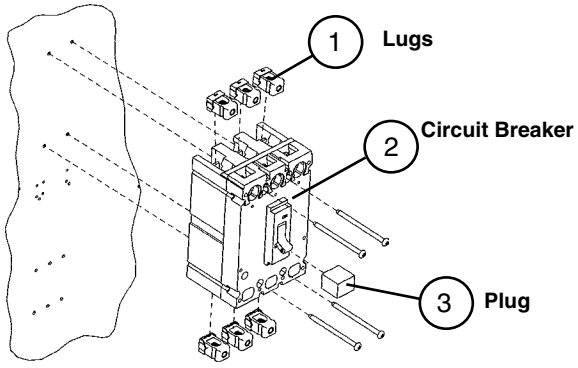



| Ref. No. | Sch. Sym. | Part Description | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|---|
| | | | | 208V | 230V | 460V | 575V |
| 1 | | Lugs | 349935901 | 6 | 6 | 6 | 6 |
| 2 | CB10<br>CB20 | Circuit Breaker- Supply Fan [1]<br>Circuit Breaker- Return Fan [1] | | | | | |
| | | Motor HP= 5, 7.5 | 349936601 | 1 | 1 | 1 | 1 |
| | | Motor HP= 10, 15 | 349936602 | 1 | 1 | | |
| | | Motor HP= 10, 15 | 349936601 | | | 1 | 1 |
| | | Motor HP= 20, 25 | 349936603 | 1 | 1 | | |
| | | Motor HP= 20, 25 | 349936602 | | | 1 | |
| | | Motor HP= 20 | 349936601 | | | | 1 |
| | | Motor HP= 25 | 349936602 | | | | 1 |
| 3 | | Plug- Rating | | | | | |
| | | Motor HP= 5 | 349936702 | 1 | 1 | | |
| | | Motor HP= 5, 7.5 | 349936701 | | | 1 | 1 |
| | | Motor HP= 7.5 | 349936704 | 1 | 1 | | |
| | | Motor HP= 10 | 349936705 | 1 | 1 | | |
| | | Motor HP= 10 | 349936702 | | | 1 | |
| | | Motor HP= 10 | 349936701 | | | | 1 |
| | | Motor HP= 15 | 349936707 | 1 | 1 | | |
| | | Motor HP= 15 | 349936704 | | | 1 | |
| | | Motor HP= 15 | 349936702 | | | | 1 |
| | | Motor HP= 20 | 349936709 | 1 | | | |
| | | Motor HP= 20 | 349936708 | | 1 | | |
| | | Motor HP= 25 | 349936710 | 1 | | | |
| | | Motor HP= 25 | 349936709 | | 1 | | |
| | | Motor HP= 20, 25 | 349936705 | | | 1 | |
| | | Motor HP= 20 | 349936704 | | | | 1 |
| | | Motor HP= 25 | 349936705 | | | | 1 |

[1] Circuit Breakers are only used when a Fan Motor has an Inverter (Code 14= 1- 9).

# Section N- Controls

## MicroTech II: Code 12= *D, *S- 4/05 thru 12/06
## Supply Fan CB10, and Return Fan CB20 Circuit Breaker Detail
## Motor Horsepower 30 thru 75

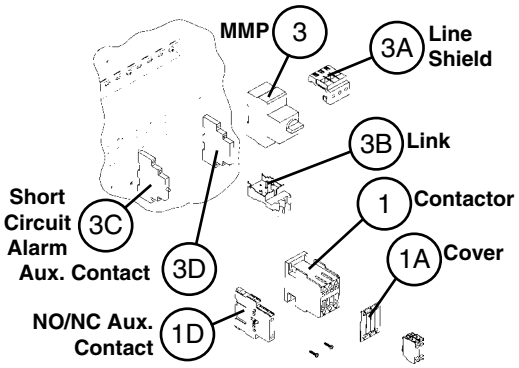



| Ref. No. | Sch. Sym. | Part Description | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|---|
| | | | | 208V | 230V | 460V | 575V |
| 1 | | Lugs | 349935901 | 6 | 6 | 6 | 6 |
| 2 | CB10<br>CB20 | Circuit Breaker- Supply Fan [1]<br>Circuit Breaker- Return Fan [1] | | | | | |
| | | Motor HP= 30 | 349936602 | | | 1 | |
| | | Motor HP= 30 | 349936603 | | 1 | | |
| | | Motor HP= 30, 40 | 349936604 | 1 | | | |
| | | Motor HP= 40 | 349936604 | | 1 | | |
| | | Motor HP= 40, 50 | 349936603 | | | 1 | |
| | | Motor HP= 30, 40, 50 | 349936602 | | | | 1 |
| | | Motor HP= 60, 75 | 349936603 | | | 1 | 1 |
| 3 | | Plug- Rating | | | | | |
| | | Motor HP= 30 | 349936705 | | | | 1 |
| | | Motor HP= 30 | 349936706 | | | 1 | |
| | | Motor HP= 30 | 349936711 | | 1 | | |
| | | Motor HP= 30 | 349936712 | 1 | | | |
| | | Motor HP= 40 | 349936714 | 1 | 1 | | |
| | | Motor HP= 40 | 349936708 | | | 1 | |
| | | Motor HP= 40 | 349936706 | | | | 1 |
| | | Motor HP= 50 | 349936707 | | | | 1 |
| | | Motor HP= 50 | 349936709 | | | 1 | |
| | | Motor HP= 60 | 349936709 | | | | 1 |
| | | Motor HP= 60 | 349936710 | | | 1 | |
| | | Motor HP= 75 | 349936711 | | | 1 | 1 |

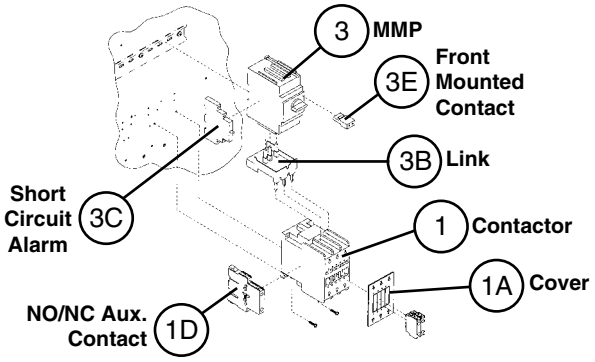
[1] Circuit Breakers are only used when a Fan Motor has an Inverter (Code 14= 1- 9).

# Section N- Controls

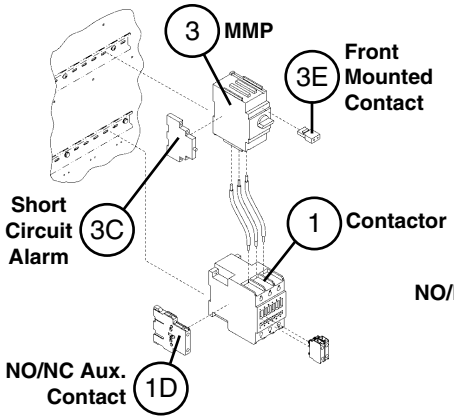
## MicroTech II: Code 12= *D, *S- 4/05 thru 12/06
## Supply MMP10 Motor Protector, M10 Fan Contactor &
## Return MMP20 Motor Protector, M20 Fan Contactor
## Diagrams [1]



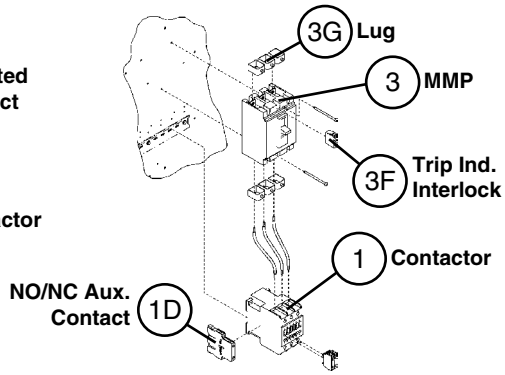

**MMP10 & M10 Link Detail**
**MMP20 & M20 Link Detail**
**5 HP Motors- All Voltages**
**7.5 HP Motor- 230/460/575V**
**10, 15 HP Motors- 460/575V**



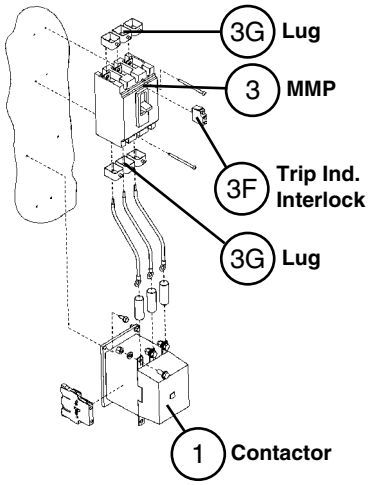

**MMP10 & M10 Link Detail**
**MMP20 & M20 Link Detail**
**7.5 HP Motors- 208V**
**10, 15 HP Motors- 208/230V**
**20, 25, 30 HP Motors- 460/575V**
**40 HP Motors- 575V**




**MMP10 & M10 Link Detail**
**MMP20 & M20 Link Detail**
**20 HP Motors- 208/230V**
**25 HP Motors- 230V**
**40 HP Motors- 460V**
**50 HP Motors- 460/575V**
**60 HP Motors- 575V**




**MMP10 & M10 Link Detail**
**MMP20 & M20 Link Detail**
**25 HP Motors- 208V**
**30 HP Motors- 208/230V**
**40 HP Motors- 230V**
**60 HP Motors- 460V**
**75 HP Motors- 460/575V**




**MMP10 & M10 Link Detail**
**40 HP Motors- 208V**
**50 HP Motors- 208/230V**
**60 HP- 208/230V**

[1] The above diagrams show ALL possible parts. Not every part shown applies to every unit size/voltage combination.

# Section N- Controls

## MicroTech II: Code 12= *D, *S- 4/05 thru 12/06
## Supply MMP10 Motor Protector, M10 Fan Contactor &
## Return MMP20 Motor Protector, M20 Fan Contactor
## Components

**5 HP Motor- Code 22 OR 32= J****

| Ref. No. | Sch. Sym. | Part Description | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|---|
| | | | | 208V | 230V | 460V | 575V |
| 1 | M10, 20 | Contactor- Supply (M10) OR Return (M20) Fan | 349932301 | 1 | | | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 349932201 | | 1 | | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 349932102 | | | 1 | 1 |
| 1A | | Cover- Contactor | 349932803 | 1 | | | |
| | | Cover- Contactor | 349932802 | | 1 | | |
| | | Cover- Contactor | 349932801 | | | 1 | 1 |
| 3 | MMP10, 20 | MMP- Supply (MMP10) OR Return (MMP20) Fan | 300041318 | 1 | 1 | | |
| | | MMP- Supply (MMP10) OR Return (MMP20) Fan | 300041316 | | | 1 | |
| | | MMP- Supply (MMP10) OR Return (MMP20) Fan | 300041315 | | | | 1 |
| 3A | | Line Shield | 349933001 | 1 | 1 | 1 | 1 |
| 3B | | Link | 300041308 | 1 | | | |
| | | Link | 349932902 | | 1 | 1 | 1 |
| 3C | | Short Circuit Alarm | 300041298 | 1 | 1 | 1 | 1 |
| 3D | | Aux. Interlock- 1 NO/1 NC | 349933902 | 1 | 1 | 1 | 1 |

**7.5 HP Motor- Code 22 OR 32= K****

| Ref. No. | Sch. Sym. | Part Description | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|---|
| | | | | 208V | 230V | 460V | 575V |
| 1 | M10, 20 | Contactor- Supply (M10) OR Return (M20) Fan | 349932401 | 1 | | | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 349932301 | | 1 | | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 349932102 | | | 1 | 1 |
| 1A | | Cover- Contactor | 349932804 | 1 | | | |
| | | Cover- Contactor | 349932803 | | 1 | | |
| | | Cover- Contactor | 349932801 | | | 1 | 1 |
| 3 | MMP10, 20 | MMP- Supply (MMP10) OR Return (MMP20) Fan | 349934105 | 1 | | | |
| | | MMP- Supply (MMP10) OR Return (MMP20) Fan | 300041320 | | 1 | | |
| | | MMP- Supply (MMP10) OR Return (MMP20) Fan | 349934011 | | | 1 | |
| | | MMP- Supply (MMP10) OR Return (MMP20) Fan | 300041316 | | | | 1 |
| 3A | | Line Shield | 349933001 | | 1 | 1 | 1 |
| 3B | | Link | 349932906 | 1 | | | |
| | | Link | 300041308 | | 1 | | |
| | | Link | 349932902 | | | 1 | 1 |
| 3C | | Short Circuit Alarm | 300041298 | 1 | 1 | 1 | 1 |
| 3D | | Aux. Interlock- 1 NO/1 NC | 349933902 | | 1 | 1 | 1 |
| 3E | | OL Circuit Alarm- Front | 349933804 | 1 | | | |

# Section N- Controls

## MicroTech II: Code 12= *D, *S- 4/05 thru 12/06
## Supply MMP10 Motor Protector, M10 Fan Contactor &
## Return MMP20 Motor Protector, M20 Fan Contactor
## Components, Continued

**10 HP Motor- Code 22 OR 32= L****

| Ref. No. | Sch. Sym. | Part Description | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|---|
| | | | | 208V | 230V | 460V | 575V |
| 1 | M10, 20 | Contactor- Supply (M10) OR Return (M20) Fan | 349932501 | 1 | 1 | | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 349932201 | | | 1 | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 349932102 | | | | 1 |
| 1A | | Cover- Contactor | 349932805 | 1 | 1 | | |
| | | Cover- Contactor | 349932802 | | | 1 | |
| | | Cover- Contactor | 349932801 | | | | 1 |
| 3 | MMP10, 20 | MMP- Supply (MMP10) OR Return (MMP20) Fan | 349934106 | 1 | 1 | | |
| | | MMP- Supply (MMP10) OR Return (MMP20) Fan | 300041318 | | | 1 | |
| | | MMP- Supply (MMP10) OR Return (MMP20) Fan | 349934011 | | | | 1 |
| 3A | | Line Shield | 349933001 | | | 1 | 1 |
| 3B | | Link | 349932907 | 1 | 1 | | |
| | | Link | 349932903 | | | 1 | |
| | | Link | 349932902 | | | | 1 |
| 3C | | Short Circuit Alarm | 300041298 | 1 | 1 | 1 | 1 |
| 3D | | Aux. Interlock- 1 NO/1 NC | 349933902 | | | 1 | 1 |
| 3E | | OL Circuit Alarm- Front | 349933804 | 1 | 1 | | |

**15 HP Motor- Code 22 OR 32= M****

| Ref. No. | Sch. Sym. | Part Description | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|---|
| | | | | 208V | 230V | 460V | 575V |
| 1 | M10, 20 | Contactor- Supply (M10) OR Return (M20) Fan | 349932501 | 1 | 1 | | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 349932301 | | | 1 | 1 |
| 1A | | Cover- Contactor | 349932805 | 1 | 1 | | |
| | | Cover- Contactor | 349932803 | | | 1 | 1 |
| 3 | MMP10, 20 | MMP- Supply (M10) OR Return (M20) Fan | 300041328 | 1 | 1 | | |
| | | MMP- Supply (M10) OR Return (M20) Fan | 300041320 | | | 1 | |
| | | MMP- Supply (M10) OR Return (M20) Fan | 300041319 | | | | 1 |
| 3A | | Line Shield | 349933001 | | | 1 | 1 |
| 3B | | Link | 349932907 | 1 | 1 | | |
| | | Link | 300041308 | | | 1 | 1 |
| 3C | | Short Circuit Alarm | 300041298 | 1 | 1 | 1 | 1 |
| 3D | | Aux. Interlock- 1 NO/1 NC | 349933902 | | | 1 | 1 |
| 3E | | OL Circuit Alarm- Front | 349933804 | 1 | 1 | | |

# Section N- Controls

## MicroTech II: Code 12= *D, *S- 4/05 thru 12/06
## Supply MMP10 Motor Protector, M10 Fan Contactor &
## Return MMP20 Motor Protector, M20 Fan Contactor
## Components, Continued

**20 HP Motor- Code 22 OR 32= N****

| Ref. No. | Sch. Sym. | Part Description | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|---|
| | | | | 208V | 230V | 460V | 575V |
| 1 | M10, 20 | Contactor- Supply (M10) OR Return (M20) Fan | 349932601 | 1 | 1 | | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 349932501 | | | 1 | 1 |
| 1A | | Cover- Contactor | 349932805 | | | 1 | 1 |
| 3 | MMP10, 20 | MMP- Supply (M10) OR Return (M20) Fan | 349934109 | 1 | | | |
| | | MMP- Supply (M10) OR Return (M20) Fan | 300041328 | | 1 | | |
| | | MMP- Supply (M10) OR Return (M20) Fan | 349934106 | | | 1 | |
| | | MMP- Supply (M10) OR Return (M20) Fan | 349934105 | | | | 1 |
| 3B | | Link | 349932907 | | | 1 | 1 |
| 3C | | Short Circuit Alarm | 300041298 | 1 | 1 | 1 | 1 |
| 3E | | OL Circuit Alarm- Front | 349933804 | 1 | 1 | 1 | 1 |

**25 HP Motor- Code 22 OR 32= P****

| Ref. No. | Sch. Sym. | Part Description | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|---|
| | | | | 208V | 230V | 460V | 575V |
| 1 | M10, 20 | Contactor- Supply (M10) OR Return (M20) Fan | 349932601 | 1 | 1 | | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 349932501 | | | 1 | 1 |
| 1A | | Cover- Contactor | 349932805 | | | 1 | 1 |
| 3 | MMP10, 20 | MMP- Supply (M10) OR Return (M20) Fan | 349938606 | 1 | | | |
| | | MMP- Supply (M10) OR Return (M20) Fan | 349934109 | | 1 | | |
| | | MMP- Supply (M10) OR Return (M20) Fan | 300043300 | | | 1 | |
| | | MMP- Supply (M10) OR Return (M20) Fan | 349934106 | | | | 1 |
| 3B | | Link | 349932907 | | | 1 | 1 |
| 3C | | Short Circuit Alarm | 300041298 | | 1 | 1 | 1 |
| 3E | | OL Circuit Alarm- Front | 349933804 | | 1 | 1 | 1 |
| 3F | | Trip Indicator Interlock | 349938701 | 1 | | | |
| 3G | | Lug (3 per kit) | 349938801 | 2 | | | |

# Section N- Controls

## MicroTech II: Code 12= *D, *S- 4/05 thru 12/06
## Supply MMP10 Motor Protector, M10 Fan Contactor &
## Return MMP20 Motor Protector, M20 Fan Contactor
## Components, Continued

**30 HP Motor- Code 22 OR 32= Q****

| Ref. No. | Sch. Sym. | Part Description | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|---|
| | | | | 208V | 230V | 460V | 575V |
| 1 | M10, 20 | Contactor- Supply (M10) OR Return (M20) Fan | 349932602 | 1 | | | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 349932601 | | 1 | | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 349932502 | | | 1 | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 349932501 | | | | 1 |
| 1A | | Cover- Contactor | 349932805 | | | 1 | 1 |
| 3 | MMP10, 20 | MMP- Supply (M10) OR Return (M20) Fan | 349938606 | 1 | 1 | | |
| | | MMP- Supply (M10) OR Return (M20) Fan | 300043300 | | | 1 | 1 |
| 3B | | Link | 349932907 | | | 1 | 1 |
| 3C | | Short Circuit Alarm | 300041298 | | | 1 | 1 |
| 3E | | OL Circuit Alarm- Front | 349933804 | | | 1 | 1 |
| 3F | | Trip Indicator Interlock | 349938701 | 1 | 1 | | |
| 3G | | Lug (3 per kit) | 349938801 | 2 | 2 | | |

**40 HP Motor- Code 22 OR 32= R****

| Ref. No. | Sch. Sym. | Part Description | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|---|
| | | | | 208V | 230V | 460V | 575V |
| 1 | M10, 20 | Contactor- Supply (M10) OR Return (M20) Fan | 349932701 | 1 | | | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 349932602 | | 1 | | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 349932601 | | | 1 | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 349932502 | | | | 1 |
| 1A | | Cover- Contactor | 349932805 | | | | 1 |
| 3 | MMP10, 20 | MMP- Supply (MMP10) OR Return (MMP20) Fan | 349938607 | 1 | 1 | | |
| | | MMP- Supply (MMP10) OR Return (MMP20) Fan | 300041328 | | | | 1 |
| | | MMP- Supply (MMP10) OR Return (MMP20) Fan | 349934109 | | | 1 | |
| 3B | | Link | 349932907 | | | | 1 |
| 3C | | Short Circuit Alarm | 300041298 | | | 1 | 1 |
| 3E | | OL Circuit Alarm- Front | 349933804 | | | 1 | 1 |
| 3F | | Trip Indicator Interlock | 349938701 | 1 | 1 | | |
| 3G | | Lug (3 per kit) | 349938801 | 1[1] | 1[1] | | |

[1] Also requires 3 field supplied ring terminals.

# Section N- Controls

## MicroTech II: Code 12= *D, *S- 4/05 thru 12/06
## Supply MMP10 Motor Protector, M10 Fan Contactor &
## Return MMP20 Motor Protector, M20 Fan Contactor
## Components, Continued

### 50 HP Motor- Code 22 OR 32= S**

| Ref. No. | Sch. Sym. | Part Description | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|---|
| | | | | 208V | 230V | 460V | 575V |
| 1 | M10, 20 | Contactor- Supply (M10) OR Return (M20) Fan | 349932701 | 1 | 1 | | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 349932601 | | | 1 | 1 |
| 3 | MMP10, 20 | MMP- Supply (MMP10) OR Return (MMP20) Fan | 349938607 | 1 | 1 | | |
| | | MMP- Supply (MMP10) OR Return (MMP20) Fan | 300041328 | | | | 1 |
| | | MMP- Supply (MMP10) OR Return (MMP20) Fan | 349934109 | | | 1 | |
| 3C | | Short Circuit Alarm | 300041298 | | | 1 | 1 |
| 3E | | OL Circuit Alarm- Front | 349933804 | | | 1 | 1 |
| 3F | | Trip Indicator Interlock | 349938701 | 1 | 1 | | |
| 3G | | Lug (3 per kit) | 349938801 | 1[1] | 1[1] | | |

[1] Also requires 3 field supplied ring terminals.

### 60 HP Motor- Code 32 OR 32 = T**

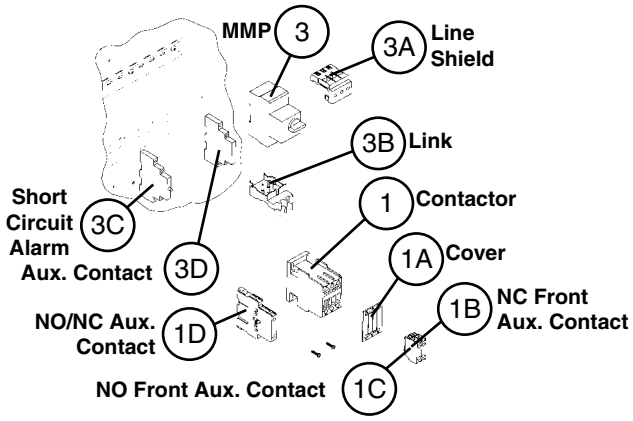
| Ref. No. | Sch. Sym. | Part Description | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|---|
| | | | | 208V | 230V | 460V | 575V |
| 1 | M10, 20 | Contactor- Supply (M10) OR Return (M20) Fan | 349932702 | 1 | 1 | | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 349932601 | | | 1 | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 349932602 | | | | 1 |
| 3 | MMP10, 20 | MMP- Supply (MMP10) OR Return (MMP20) Fan | 349938608 | 1 | 1 | | |
| | | MMP- Supply (MMP10) OR Return (MMP20) Fan | 349938606 | | | 1 | |
| | | MMP- Supply (MMP10) OR Return (MMP20) Fan | 349934109 | | | | 1 |
| 3C | | Short Circuit Alarm | 300041298 | | | | 1 |
| 3E | | OL Circuit Alarm- Front | 349933804 | | | | 1 |
| 3F | | Trip Indicator Interlock | 349938701 | 1 | 1 | 1 | |
| 3G | | Lug | 349938801 | 3[2] | 3[2] | 6 | |

[2] Also requires 3 field supplied ring terminals.

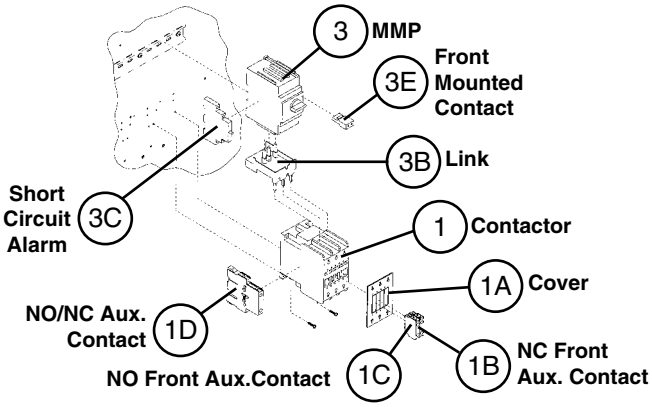
### 75 HP Motor- Code 32= U**

| Ref. No. | Sch. Sym. | Part Description | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|---|
| | | | | 208V | 230V | 460V | 575V |
| 1 | M10 | Contactor- Supply Fan | 349932602 | | | 1 | 1 |
| 3 | MMP10 | MMP- Supply Fan | 349938606 | | | 1 | 1 |
| 3F | | Trip Indicator Interlock | 349938701 | | | 1 | 1 |
| 3G | | Lug | 349938801 | | | 6 | 6 |

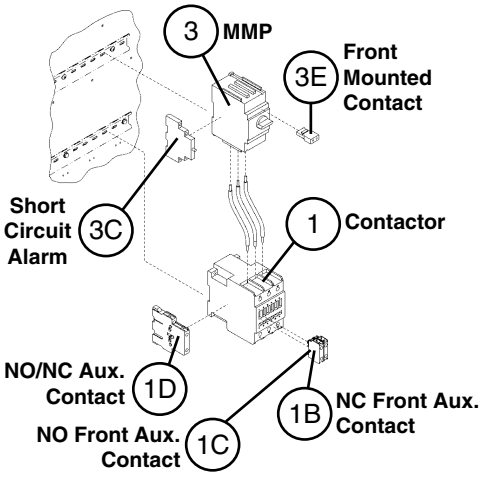
# Section N- Controls
## MicroTech II: Code 12= *D, *S- 4/05 thru 12/06
## Compressor MMP1- 4 and Contactor M1- 4
## Diagrams [1]



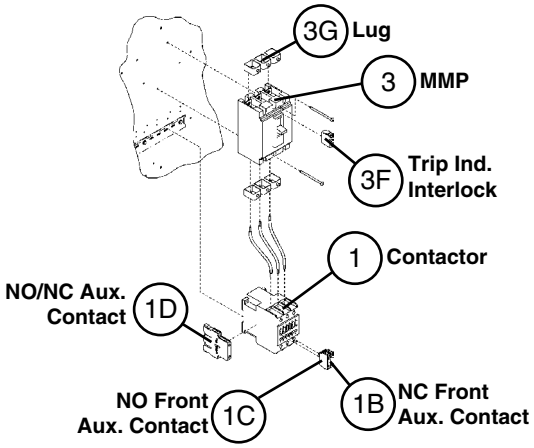

**MMP1- 4 & M1- 4 Link Detail**
**110C- 575V**




**MMP1- 4 & M1- 4 Link Detail**
**076C, 130C- All Voltages**
**089C- 230/460/575V**
**100C- 575V**
**110C- 208/230/460V**
**140C Cir. #1- All Voltages**
**140C Cir. #2- 230/460/575V**
**150C- 230/460/575V**




**MMP1- 4 & M1- 4 Link Detail**
**089C- 208V**
**100C- 230/460V**
**140C Cir. #2- 208V**
**150C- 208V**




**MMP1- 4 & M1- 4 Link Detail**
**100C- 208V**

[1] The above diagrams show ALL possible parts. Not every part shown applies to every unit size/voltage combination.

# Section N- Controls
## MicroTech II: Code 12= *D, *S- 4/05 thru 12/06
## Compressor MMP1- 4 and Contactor M1- 4
## Components

| Ref. No. | Sch. Sym. | Part Description | Part Number | Unit Size | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 076 | | | | 089 | | | | 100 | | | |
| | | | | 208V | 230V | 460V | 575V | 208V | 230V | 460V | 575V | 208V | 230V | 460V | 575V |
| | | **Compressor Contactors & Parts** | | | | | | | | | | | | | |
| 1 | M1, 2 | Contactor 80A | 349932601 | | | | | | | | | 2 | | | |
| | | Contactor 68A | 349932503 | | | | | 2 | | | | | 2 | 2 | |
| | | Contactor 62A | 300041221 | 2 | 2 | 2 | | | 2 | 2 | | | | | 2 |
| | | Contactor 48A | 349932501 | | | | 2 | | | | 2 | | | | |
| 1A | | Cover- Contactor | 349932805 | 2 | 2 | 2 | 2 | | 2 | 2 | 2 | | | | 2 |
| 1B | | Aux. Contact, Front- 1NC | 300041207 | | | | | | | | | 2 | | | |
| 1C | | Aux. Contact, Front- 1NO | 300041208 | | | | | | | | | 2 | | | |
| | | **Compressor MMP's & Parts** | | | | | | | | | | | | | |
| 3 | MMP1, 2 | Manual Motor Protector 63- 100A | 349938606 | | | | | | | | | 2 | | | |
| | | Manual Motor Protector 50- 63A | 349934109 | | | | | 2 | | | | | 2 | 2 | |
| | | Manual Motor Protector 40- 50A | 300041328 | 2 | 2 | 2 | | | 2 | 2 | | | | | 2 |
| | | Manual Motor Protector 25- 40A | 300043300 | | | | 2 | | | | 2 | | | | |
| 3B | | Link | 349932907 | 2 | 2 | 2 | 2 | | 2 | 2 | 2 | | | | |
| 3C | | Short Circuit Alarm | 300041298 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | 2 | 2 | 2 |
| 3E | | Front Mounted Contact- 1NO | 349933801 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | 2 | 2 | 2 |
| 3F | | Trip Indicator | 349938701 | | | | | | | | | 2 | | | |
| 3G | | Lug Kit (3 lugs per kit) | 349938801 | | | | | | | | | 2 | | | |

# Section N- Controls
## MicroTech II: Code 12= *D, *S- 4/05 thru 12/06
## Compressor MMP1- 4 and Contactor M1- 4
## Components, Continued

| Ref. No. | Sch. Sym. | Part Description | Part Number | Unit Size | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 110 | | | | 130 | | | |
| | | | | 208V | 230V | 460V | 575V | 208V | 230V | 460V | 575V |
| | | **Compressor Contactors & Parts** | | | | | | | | | |
| 1 | M1- 4 | Contactor 62A | 300041221 | 4 | 4 | | | 4 | 4 | 4 | |
| | | Contactor 48A | 349932501 | | | 4 | | | | | 4 |
| | | Contactor 32A | 300041218 | | | | 4 | | | | |
| 1A | | Cover- Contactor | 349932805 | 4 | 4 | 4 | | 4 | 4 | 4 | 4 |
| | | Cover- Contactor | 349932803 | | | | 4 | | | | |
| 1B | | Aux. Contact, Front- 1NC | 300041207 | | | | 4 | | | | |
| | | **Compressor MMP's & Parts** | | | | | | | | | |
| 3 | MMP1- 4 | Manual Motor Protector 40- 50A | 300041328 | | | | | 4 | 4 | 4 | |
| | | Manual Motor Protector 25- 40A | 300043300 | 4 | 4 | 4 | | | | | 4 |
| | | Manual Motor Protector 24- 32A | 300040948 | | | | 4 | | | | |
| 3A | | Line Shield | 300041300 | | | | 4 | | | | |
| 3B | | Link | 349932907 | 4 | 4 | 4 | | 4 | 4 | 4 | 4 |
| 3C | | Short Circuit Alarm | 300041298 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 3D | | Front Mounted Contact- 1NO/NC | 300041296 | | | | 4 | | | | |
| 3E | | Front Mounted Contact- 1NO | 349933801 | 4 | 4 | 4 | | 4 | 4 | 4 | 4 |

# Section N- Controls
## MicroTech II: Code 12= *D, *S- 4/05 thru 12/06
## Compressor MMP1- 4 and Contactor M1- 4
## Components, Continued

| Ref. No. | Sch. Sym. | Part Description | Part Number | Unit Size | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 140 | | | | 150 | | | |
| | | | | 208V | 230V | 460V | 575V | 208V | 230V | 460V | 575V |
| | | **Compressor Contactors & Parts** | | | | | | | | | |
| 1 | M1, 2 [1] | Contactor 68A | 349932503 | | | | | 2 | | | |
| | | Contactor 62A | 300041221 | 2 | 2 | 2 | | | 2 | 2 | |
| | | Contactor 48A | 349932501 | | | | 2 | | | | 2 |
| | M3, 4 [1] | Contactor 68A | 349932503 | 2 | | | | 2 | | | |
| | | Contactor 62A | 300041221 | | 2 | 2 | | | 2 | 2 | |
| | | Contactor 48A | 349932501 | | | | 2 | | | | 2 |
| 1A | | Cover- Contactor | 349932805 | [2] | 4 | 4 | 4 | | 4 | 4 | 4 |
| | | **Compressor MMP's & Parts** | | | | | | | | | |
| 3 | MMP1, 2 [1] | Manual Motor Protector 50- 63A | 349934109 | | | | | 2 | | | |
| | | Manual Motor Protector 40- 50A | 300041328 | 2 | 2 | 2 | | | 2 | 2 | |
| | | Manual Motor Protector 25- 40A | 300043300 | | | | 2 | | | | 2 |
| | MMP3, 4 [1] | Manual Motor Protector 50- 63A | 349934109 | 2 | | | | 2 | | | |
| | | Manual Motor Protector 40- 50A | 300041328 | | 2 | 2 | | | 2 | 2 | |
| | | Manual Motor Protector 25- 40A | 300043300 | | | | 2 | | | | 2 |
| 3B | | Link | 349932907 | [2] | 4 | 4 | 4 | | 4 | 4 | 4 |
| 3C | | Short Circuit Alarm | 300041298 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 3E | | Front Mounted Contact- 1NO | 349933801 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |

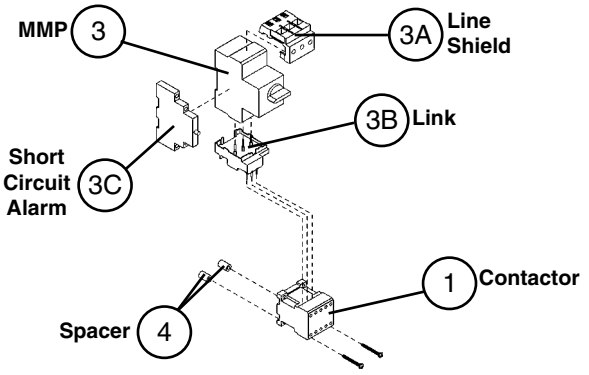
[1] For unit size 140C, M1, 2 & MMP1, 2 are for the 30HP Compressors; M3, 4 & MMP3, 4 are for the 35HP Compressors.

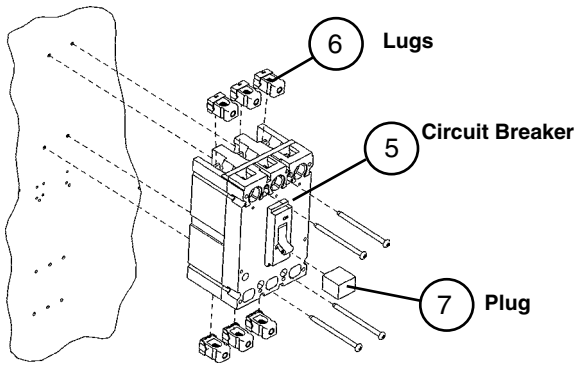
[2] 4pc. used on Circuit #1 only.

# Section N- Controls

## MicroTech II: Code 12= *D, *S- 4/05 thru 12/06

## Condenser Fan Motor Protector MMP11- 23, Contactors M12- 23 & Circuit Breaker CB11



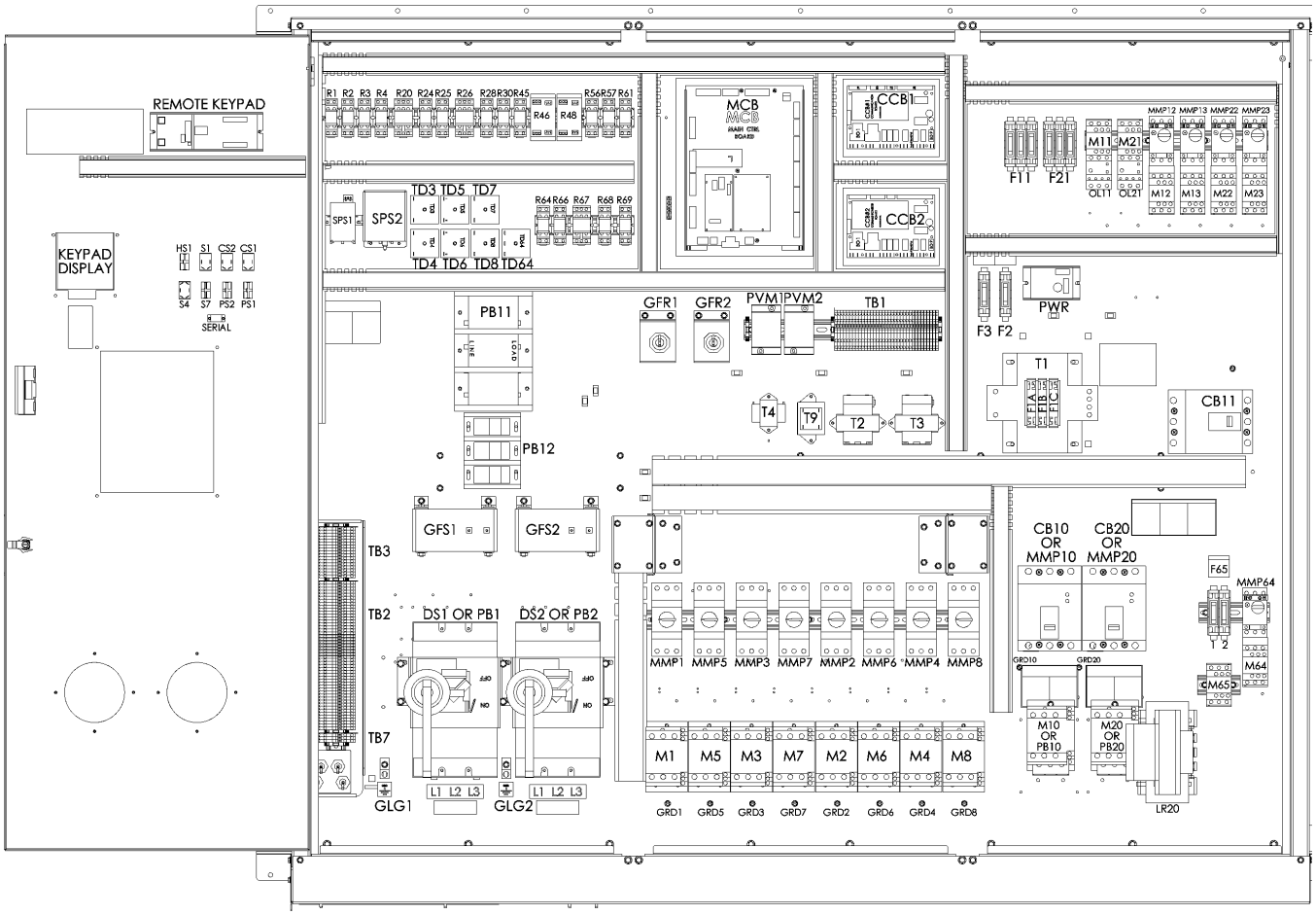

| Ref. No. | Sch. Sym. | Part Description | Part Number | Unit Size | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | 076- 100 | | | 110- 150 | | |
| | | | | 208/230V | 460V | 575V | 208/230V | 460V | 575V |
| | | **Fan Contactors** | | | | | | | |
| 1 | M12, 22 | Contactor- Condenser Fan 9A | 349934201 | 2 | 2 | 2 | 2 | 2 | 2 |
| | M13, 23 | Contactor- Condenser Fan 9A | 349934201 | | | | 2 | 2 | 2 |
| | | **Fan MMP's & Parts** | | | | | | | |
| 3 | MMP11, 21 | Manual Motor Protector 4.0- 6.3A | 300041315 | 2 | | | 2 | | |
| | | Manual Motor Protector 2.5- 4.0A | 300041314 | | 2 | | | 2 | |
| | | Manual Motor Protector 1.6- 2.5A | 300041313 | | | 2 | | | 2 |
| | MMP12, 22 | Manual Motor Protector 4.0- 6.3A | 300041315 | 2 | | | 2 | | |
| | | Manual Motor Protector 2.5- 4.0A | 300041314 | | 2 | | | 2 | |
| | | Manual Motor Protector 1.6- 2.5A | 300041313 | | | 2 | | | 2 |
| | MMP13, 23 | Manual Motor Protector 4.0- 6.3A | 300041315 | | | | 2 | | |
| | | Manual Motor Protector 2.5- 4.0A | 300041314 | | | | | 2 | |
| | | Manual Motor Protector 1.6- 2.5A | 300041313 | | | | | | 2 |
| 3A | | Line Shield- MMP | 300041300 | 4 | 4 | 4 | 6 | 6 | 6 |
| 3B | | Link- MMP | 349932901 | 4 | 4 | 4 | 6 | 6 | 6 |
| 3C | | Short Circuit Alarm- MMP | 300041298 | 4 | 4 | 4 | 6 | 6 | 6 |
| 4 | | Spacer- Contactor | 349906501 | 8 | 8 | 8 | 12 | 12 | 12 |
| | | **Fan Circuit Breaker & Parts** | | | | | | | |
| 5 | CB11 | Circuit Breaker- Condenser Fan | 300042852 | 1 | 1 | 1 | 1 | 1 | 1 |
| 6 | | Lugs- Circuit Breaker | 300040959 | 1[1] | 1[1] | 1[1] | 1[1] | 1[1] | 1[1] |
| 7 | | Plug- Circuit Breaker | 349936701 | 1 | 1 | 1 | 1 | 1 | 1 |

[1] Also requires 3 field supplied ring terminals.

# Section N- Controls

## MicroTech II: Code 12= *D, *S- 1/07 thru 12/10

## Main Control Box Diagram [1]

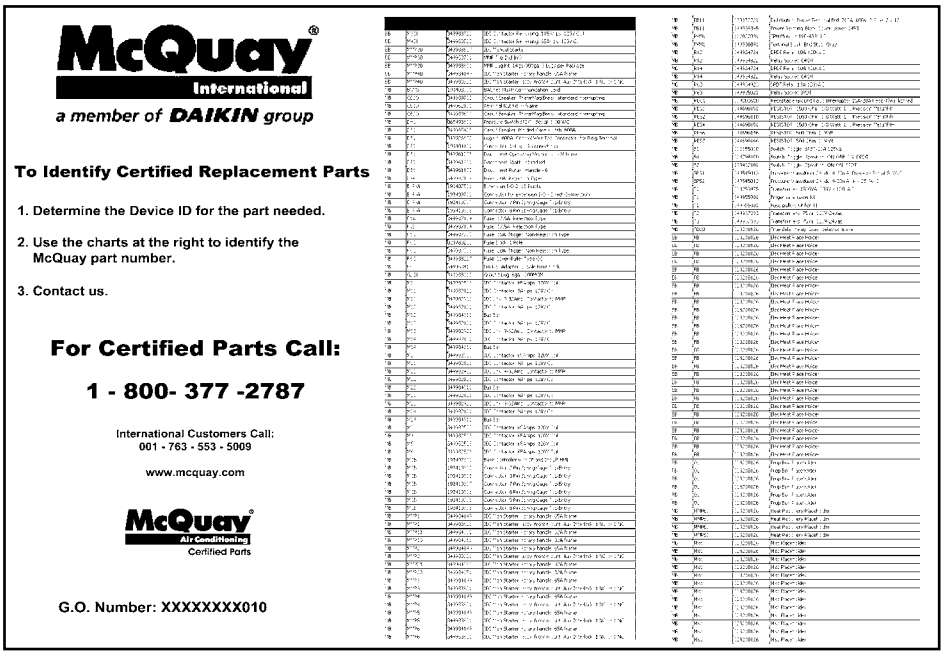



[1] The above diagram shows a typical four compressor (size 110- 150C) Main Control Box layout and is to be used for reference only. Specific unit components, component quantity, and component layout may differ depending upon unit size and options selected.

# Section N- Controls

## MicroTech II: Code 12= *D, *S- 1/07 thru 12/10

## Control Box Component Label Diagram [1]



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[1] Note that starting in late 2010 all units will have a label similar to the one shown above pasted to the inside of the Control Box door. This label contains schematic designators, part descriptions, and Daikin Applied part numbers. The label shown above is for representative purposes only. Actual part numbers will vary depending upon unit options selected.

# Section N- Controls
## MicroTech II: Code 12= *D, *S- 1/07 thru 12/10
## Main Control Box Common Components

| Sch. Sym. | Part Description | | Part Number | Qty. |
|---|---|---|---|---|
| | **Main Controller** | | | |
| MCB | Main Controller [1] | | 060006101 | 1 |
| | Com Card- Bacnet | (Code 12= B*) | 060006202 | 1 |
| | Com Card- Bacnet with Ethernet | (Code 12= E*) | 060006201 | 1 |
| | Com Card- LonMark Space Control | (Code 12= LS) | 060006203 | 1 |
| | Com Card- LonMark Discharge Control | (Code 12= LD) | 060006204 | 1 |
| | Standoff- Com Card | | 048166706 | 4 |
| | Kit- Connector Repair | | 300036605 | 1 |
| | Power Supply- | 5 VDC | 111049610 | |
| | Serial Port Ribbon Cable | | 111047201 | 1 |
| | Battery | | 049754501 | 1 |
| | Grounding Bar | | 349936901 | 1 |
| | **Keypad** | | | |
| Keypad | Keypad | | 060006301 | 1 |
| | Remote Keypad Interface Board | | 112021601 | 1 |
| | Cable- Interface | | 349938501 | 1 |
| | **Compressor Controller** | | | |
| CCB1,2 | Expansion Board- Compressor Controller [1] | | 112026101 | 2 |
| | Fuse- Expansion Board | | 112026501 | 1 |
| | Standoff- Expansion Board | | 048166705 | 14 |
| | Comm. Card- Bacnet | | 060006202 | 2 |
| | Standoff- Comm. Card | | 048166707 | 8 |
| RES | Resistor- CCB1 | | 060003901 | 1 |
| | **Electric Heat Board** | | | |
| EHB1 | Expansion Board- Electric Heat [1] | | 112026101 | 1 |
| | Standoff- Expansion Board | | 048166705 | 7 |
| | Expansion Board Comm. Card- Bacnet | | 060006202 | 1 |
| | Standoff- Comm. Card | | 048166707 | 4 |
| | **Switches- Control** | | | |
| HS1 | Switch- Electric Heat Shutdown | (Code 04=E) | 802005045 | 1 |
| PS1,2 | Switch- Pumpdown | | 802005045 | 2 |
| CS1,2 | Switch- Control | | 018446400 | 2 |
| S1 | Switch- System On/Off | | | |
| | Gas Heat Units | (Code 04= A) | 018446400 | 1 |
| | Elec.,Steam,HW or No Heat | (Code 04= E,S,W,Y) | 802005045 | 1 |
| S4 | Switch- Inverter Bypass On/Off | | 028798400 | 1 |
| S7 | Switch- Local On/Auto/Off to Controller | | 349931201 | 1 |
| | **Serial Cables** | | | |
| Serial | Serial Cable | | 111047201 | 1 |
| | **Duct Hi Limit and Duct Static Pressure Sensors** | | | |
| DHL | Duct Hi Limit Switch | | 065493801 | 1 |
| SPS1 | Pressure Transducer- Duct Sensor | (Code 13= 1, 2, 3) | 049545007 | 1 |
| SPS2 | Pressure Transducer- Duct Sensor | (Code 13= 2) | 049545007 | 1 |
| | Pressure Transducer- Space Sensor | (Code 13= 3, 4) | 049545006 | 1 |

[1] This Controller must be programmed in order to function correctly. When ordering a replacement, provide the unit model and serial number so the unit specific software code can be loaded before shipment.

# Section N- Controls
## MicroTech II: Code 12= *D, *S- 1/07 thru 12/10
## Main Control Box Common Components, Continued

| Sch. Sym. | Part Description | | Part Number | Qty. |
|---|---|---|---|---|
| | **Relays** | | | |
| R1, 2 | Relay- Hi Pressure Reset | | 349934724 | 2 |
| R3, 4 | Relay- Hi Pressure Delay | | 349934724 | 2 |
| R5.1, 5.2 | Relay- Safety | | 349934724 | 2 |
| R6.1, 6.2 | Relay- Safety | | 349934724 | 2 |
| R7.1, 7.2 | Relay- Safety | | 349934724 | 2 |
| R8.1, 8.2 | Relay- Safety | | 349934724 | 2 |
| R9, 10 | Relay- Compressor Lockout | | 349934724 | 2 |
| R11, 12 | Relay- Speedtrol Fan Cycling | (Code 47= 2) | 349934724 | 2 |
| R13.1,13.2 | Relay- Safety | | 349934724 | 2 |
| R14.1,14.2 | Relay- Safety | | 349934724 | 2 |
| R18, 19 | Relay- Cooling Failure Indicator | | 349934722 | 2 |
| R20 | Relay- Steam or Hot Water Heat | (Code 04= S, W) | 349934921 | 1 |
| | Relay- Electric Heat | (Code 04= E) | 349934722 | 1 |
| | Relay- Gas Heat [1] | (Code 04= A) | | |
| | Hi Turn Down Burner | (Code 34 [Digit 5]= H,T, U) | 016508002 | 1 |
| | Modulating Burner | (Code 34 [Digit 5]= E, R ,S) | 026213000 | 1 |
| R24 | Relay- Gas Heat Alarm | (Code 04= A) | 349934724 | 1 |
| R25 | Relay- Gas Heat, Start Supply Fan Inverter | (Code 14= 1, 2,3,5,6,7) | 349934724 | 1 |
| R26 | Relay- Isolation Damper- Open/Close | | 349934921 | 1 |
| R28 | Relay- Isolation Damper Safety | | 349934722 | 1 |
| R30 | Relay- Cool Valve w/ Face Bypass | | 349934724 | 1 |
| R45 | Relay- UV Lights | | 349934722 | 1 |
| R46 | Relay- Inverter, Supply Fan increase/decrease | (Code 14= 1-3, 5-7) | 112033501 | 1 |
| R48 | Relay- Inverter, Return Fan increase/decrease | (Code 14= 2,4,5,7-9) | 112033501 | 1 |
| R61 | Relay- Discharge Air Smoke Detector | | 349934722 | 1 |
| R63 | Relay- Specials | | 349934921 | 1 |
| R64 | Relay- Sump Pump | | 349934701 | 1 |
| R66 | Relay- Return Air Smoke Detector | (Code 16= 1, 3) | 349934722 | 1 |
| R67 | Relay- Supply Fan Enable | | 349934722 | 1 |
| R68 | Relay- Return Fan Enable | | 349934722 | 1 |
| R69 | Relay- Inverter Bypass VAV Interlock | (Code 14= 1- 9) | 349934722 | 1 |
| R70 | Relay- Specials | | 349934722 | 1 |

[1] All R20 options are detailed here but for units with gas heat, the R20 is located in the Gas Heat Control Box (see section G).

# Section N- Controls
## MicroTech II: Code 12= *D, *S- 1/07 thru 12/10
## Main Control Box Common Components, Continued

| Sch. Sym. | Part Description | | Part Number | Qty. |
|---|---|---|---|---|
| | **Time Delays** | | | |
| TD1 | Time Delay- Compressor Lockout | 300 Sec. | 028210138 | 1 |
| TD2 | Time Delay- Compressor Lockout | 300 Sec. | 028210138 | 1 |
| TD3 | Time Delay- Hi Pressure | 5 Sec. | 111056701 | 1 |
| TD4 | Time Delay- Hi Pressure | 5 Sec. | 111056701 | 1 |
| TD11 | Time Delay- Low Ambient | 165 Sec. | 032358500 | 1 |
| TD12 | Time Delay- Low Ambient | 165 Sec. | 032358500 | 1 |
| | **Transformers- Controls** | | | |
| T2 | Transformer- Control Input | 115- 24V | 300041236 | 1 |
| T3 | Transformer- Control Output | 115- 24V | 300041236 | 1 |
| T4 | Transformer- Exhaust Damper Actuator | 115- 12VDC | 349931801 | 1 |
| T9 | Transformer- Refrigerant Circuit | 24V | 349937201 | 1 |
| | **Terminal Blocks** | | | |
| TB1 | Terminal Block- Internal | | 349930641 | [3] |
| TB2, 7 | Terminal Block | | 349930641 | [4] |
| TB3, 4 | Terminal Block | | 349930641 | [5] |
| | **Sensors** | | | |
| ZNT1 | Sensor- Zone Temperature w/ Tenant Override [2] | | 111048101 | 1 |
| | Sensor- Zone Temp. w/ Tenant Override & Remote Setpoint Adj. [1, 2] | | 111048102 | 1 |
| DAT | Sensor- Discharge Air Temperature [2] | | 060004705 | 1 |
| ENT | Sensor- Entering Air Temperature [2] | | 060004705 | 1 |
| OAT | Sensor- Outside Air Temperature [2] | | 060004705 | 1 |
| RAT | Sensor- Return Air Temperature [2] | | 060004705 | 1 |

[1] SCC Units only (Code 12= *S).
[2] Not Shown on diagram.
[3] Varies depending on unit options. Part number is for one individual section. Ground Block is p/n 349930647. Jumpers are p/n 349930945 (TB1A:5), 349930943 (TB1B:14), 349930942 (TB1C:20,TB1D:25 & TB1E:30).
[4] Varies depending on unit options. Part number is for one individual section. Ground Block is p/n 349930647.
[5] Varies depending on unit options. Part number is for one individual section. When required, Jumpers are p/n 349930922 (2 pole), 349930923 (3 pole), 349930924 (4 pole), 349930925 (5 pole).

# Section N- Controls
## MicroTech II: Code 12= *D, *S- 1/07 thru 12/10
## Main Control Box Common Components, Continued

| Sch. Sym. | Part Description | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|
| | | | 208V | 230V | 460V | 575V |
| | **Transformer- Main** [1] | | | | | |
| T1 | Transformer- Main Control | | | | | |
| | Electric, Hydronic, No Heat (Code 04= E,S,W,Y) | | | | | |
| | Units without UV Lights | 038253975 | 1 | | | |
| | Units without UV Lights | 038253957 | | 1 | 1 | |
| | Units without UV Lights | 038253984 | | | | 1 |
| | Units with UV Lights (Code 17 [Digit 2]= 1- 8) | 038253976 | 1 | | | |
| | Units with UV Lights (Code 17 [Digit 2]= 1- 8) | 038253958 | | 1 | 1 | |
| | Units with UV Lights (Code 17 [Digit 2]= 1- 8) | 038253985 | | | | 1 |
| | Gas Heat (Code 04= A) | | | | | |
| | Units without UV Lights | 038253976 | 1 | | | |
| | Units without UV Lights | 038253958 | | 1 | 1 | |
| | Units without UV Lights | 038253985 | | | | 1 |
| | Units with UV Lights (Code 17 [Digit 2]= 1- 8) | 349939819 | 1 | | | |
| | Units with UV Lights (Code 17 [Digit 2]= 1- 8) | 349939809 | | 1 | 1 | |
| | Units with UV Lights (Code 17 [Digit 2]= 1- 8) | 349939829 | | | | 1 |
| | **Fuses- T1** | | | | | |
| F1A,B | Fuse- T1 Transformer, Primary | | | | | |
| | Electric, Hydronic, No Heat (Code 04= E,S,W,Y) | | | | | |
| | Units without UV Lights | 349937134 | 2 | | | |
| | Units without UV Lights | 349937133 | | 2 | | |
| | Units without UV Lights | 349937129 | | | 2 | |
| | Units without UV Lights | 349937125 | | | | 2 |
| | Units with UV Lights (Code 17 [Digit 2]= 1- 8) | 349937135 | 2 | 2 | | |
| | Units with UV Lights (Code 17 [Digit 2]= 1- 8) | 349937131 | | | 2 | |
| | Units with UV Lights (Code 17 [Digit 2]= 1- 8) | 349937129 | | | | 2 |
| | Gas Heat (Code 04= A) | | | | | |
| | Units without UV Lights | 349937135 | 2 | 2 | | |
| | Units without UV Lights | 349937131 | | | 2 | |
| | Units without UV Lights | 349937129 | | | | 2 |
| | Units with UV Lights (Code 17 [Digit 2]= 1- 8) | 349937137 | 2 [3] | 2 [3] | | |
| | Units with UV Lights (Code 17 [Digit 2]= 1- 8) | 349937133 | | | 2 [3] | |
| | Units with UV Lights (Code 17 [Digit 2]= 1- 8) | 349937132 | | | | 2 [3] |
| F1C | Fuse- T1 Transformer, Secondary | 349937038 [2] | 1 | 1 | 1 | 1 |
| | Fuse- T1 Transformer, Secondary | 349937036 [2] | 1 | 1 | 1 | 1 |
| | Fuse- T1 Transformer, Secondary | 349937035 [2] | 1 | 1 | 1 | 1 |
| | **Water Pump/Sump Heater Components** | | | | | |
| M64 | Contactor- Water Pump 9A | 349932121 | 1 | 1 | 1 | 1 |
| MMP64 | Motor Protector- Water Pump 4- 5.9A | 349934049 | 1 | 1 | | |
| | Motor Protector- Water Pump 2.5- 3.9A | 349934048 | | | 1 | |
| | Motor Protector- Water Pump 1.6- 2.4A | 349934047 | | | | 1 |
| - | Spacer | 349906501 | 2 | 2 | 2 | 2 |
| - | Link | 349932922 | 1 | 1 | 1 | 1 |
| M65 | Contactor- Sump Heater 25A | 349932321 | 1 | | | |
| | Contactor- Sump Heater 18A | 349932123 | | 1 | | |
| | Contactor- Sump Heater 9A | 349932121 | | | 1 | 1 |
| FB65 | Fuse Block- Sump Heater | 023780222 | 1 | 1 | 1 | 1 |
| | Fuse 25A | 349937136 | 2 | | | |
| | Fuse 20A | 349937135 | | 2 | | |
| | Fuse 12A | 349937132 | | | 2 | |
| | Fuse 10A | 349937131 | | | | 2 |
| | Fuse Guard | 349938227 | 2 | 2 | 2 | 2 |

[1] T1 Transformers also use a Cover kit p/n 349955901 & a Fuse Puller kit p/n 349955801 (not used on Transformer p/ns 349939819, 349939809, 349939829).
[2] Fuse depends on heat type and presence of UV lights. 349937038= Gas Heat Unit w/UV lights; 349937036= Gas Heat Unit with no UV lights OR Non-Gas Heat Unit with UV lights; 349937035= Non- Gas Heat Units with no UV lights.
[3] Fuses used on Gas Heat Unit w/UV lights also use Fuse Block p/n 023780231 & 3 Pullers p/n 349938227.

# Section N- Controls
## MicroTech II: Code 12= *D, *S- 1/07 thru 12/10
## Main Control Box Common Components, Continued

| Sch. Sym. | Part Description | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|
| | | | 208V | 230V | 460V | 575V |
| | **Fuses** | | | | | |
| F2,F3, F5 | Fuses | | | | | |
| | Fuse Block | 023780223 | 1/fuse | 1/fuse | 1/fuse | 1/fuse |
| | Fuse Cover | 349938227 | 1/fuse | 1/fuse | 1/fuse | 1/fuse |
| F2 | Fuse- 2000+VA Transformer | 349937035 | 1 | 1 | 1 | 1 |
| F3 | Fuse- Blower Motor 200- 1500 mbh furnace | 349937035 | 1 | 1 | 1 | 1 |
| F3 | Fuse- Blower Motor 2000 mbh furnace | 349937036 | 1 | 1 | 1 | 1 |
| F5 | Fuse- UV Lights (Code 17 [Digit 2]= 1- 8) | 349937032 | 1 | 1 | 1 | 1 |
| | **Phase Voltage Monitor (Code 17= P,A,C,D,H,J,K)** | | | | | |
| PVM1, 2 | Phase Voltage Monitor | 112022001 | 1 | 1 | 1 | |
| | Phase Voltage Monitor | 112022002 | | | | 1 |
| | **Ground Fault Protection (Code 17= G,B,C,D,K)** | | | | | |
| GFR1, 2 | Ground Fault Relay- SPDT | 349937502 | 1 | 1 | 1 | 1 |
| GFS1, 2 | Ground Fault Sensor | 349937407 | 1 | 1 | 1 | 1 |
| | **Power Blocks** | | | | | |
| PB1, PB2 | Power Block- Main (Code 11= P1, Q1) | | | | | |
| | Power Block, Non- Electric Heat Units- 175A [1] | 030372776 | 1 | 1 | 1 | 1 |
| | Power Block, Electric Heat Units- 175A [1] | 030372780 | 1 | 1 | 1 | 1 |
| | Lug- 175A Block | 349938001 | 1 | 1 | 1 | 1 |
| | Power Block, Non- Electric Heat Units- 255A [1] | 030372778 | 1 | 1 | 1 | 1 |
| | Lug- 255A Block | 349938001 | 1 | 1 | 1 | 1 |
| | Power Block, Non- Electric Heat Units- 380A [1] | 030372779 | 1 | 1 | 1 | 1 |
| | Power Block, Electric Heat- 380A [1] | 030372782 | 1 | 1 | 1 | 1 |
| | Lug- 380A Block | 349938002 | 1 | 1 | 1 | 1 |
| | Power Block, Non- Electric Heat Units- 620A [1] | 030372701 | 1 | 1 | 1 | 1 |
| | Cover- 620A Block | 349938345 | 3 | 3 | 3 | 3 |
| | Lug- 620A Block | 349938002 | 1 | 1 | 1 | 1 |
| | Power Block, Non- Electric Heat Units- 760A [1] | 030372760 | 1 | 1 | 1 | 1 |
| | Power Block, Electric Heat Units, 208/230V- 760A [1] | 030372772 | 1 | 1 | | |
| | Power Block, Electric Heat Units, 460/575V- 760A [1] | 030372760 | | | 1 | 1 |
| | Cover- 760A Block | 349938345 | 3 | 3 | 3 | 3 |
| | Lug- 760A Block | 349938003 | 1 | 1 | 1 | 1 |
| | Power Block, Non- Electric Heat Units- 840A [1] | 030372724 | 1 | 1 | 1 | 1 |
| | Cover- 840A Block | 349938345 | 3 | 3 | 3 | 3 |
| | Lug- 840A Block | 349938003 | 1 | 1 | 1 | 1 |
| PB11 | Power Block- Power Distribution | | | | | |
| | Power Block- 420A [1] | 030372785 | 1 | 1 | 1 | 1 |
| | Power Block- 760A [1] | 030372721 | 1 | 1 | 1 | 1 |
| | Cover- 760A Block | 349938345 | 1 | 1 | 1 | 1 |
| PB12 | Power Block- Power Distribution (Code 04= E) | | | | | |
| | 20, 40 KW Electric Heat | 030372777 | 1 | 1 | 1 | 1 |
| | 60, 80, 100, 120 KW Electric Heat | 030372785 | 1 | 1 | | |
| | 60, 80, 100, 120 KW Electric Heat | 030372777 | | | 1 | 1 |
| | 160, 200, 240, 280, 320 KW Electric Heat | 030372785 | | | 1 | 1 |

[1] Any of the listed parts may be used, depending on unit options. Check installed part to verify, or contact Daikin Applied with unit serial and GO number to ensure correct replacement is selected. PB2 is installed when Code 11= Q1.

# Section N- Controls
## MicroTech II: Code 12= *D, *S- 1/07 thru 12/10
## Main Control Box Common Components, Continued

| Sch. Sym. | Part Description | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|
| | | | 208V | 230V | 460V | 575V |
| | **Power Blocks, continued** | | | | | |
| PB10 | Power Block- Supply Fan (Code 15= F) | 030372776 | 1 | 1 | 1 | 1 |
| PB20 | Power Block- Return Fan (Code 15= F) | 030372776 | 1 | 1 | 1 | 1 |
| | **Receptacles** | | | | | |
| REC1 | Receptacle | 039003600 | 1 | 1 | 1 | 1 |
| | **Power Supply Board** | | | | | |
| PWR | Power Supply Board 5VDC | 111049610 | 1 | 1 | 1 | 1 |
| | **Disconnect Switch** | | | | | |
| DS1 | Disconnect Switch- Main<br>Gas, Steam, HW or No Heat (Code 04= A, S, W, Y) | | | | | |
| | Switch- 100A [1] | 349935125 | 1 | 1 | 1 | 1 |
| | Handle Kit | 349935521 | 1 | 1 | 1 | 1 |
| | Shaft | 349962204 | 1 | 1 | 1 | 1 |
| | Ground Lug | 349938001 | 1 | 1 | 1 | 1 |
| | Switch- 150A [1] | 349935126 | 1 | 1 | 1 | 1 |
| | Handle Kit (with operating mechanism) | 349935532 | 1 | 1 | 1 | 1 |
| | Shaft | 349962205 | 1 | 1 | 1 | 1 |
| | Ground Lug | 349938001 | 1 | 1 | 1 | 1 |
| | Switch- 250A [1] | 349935226 | 1 | 1 | 1 | 1 |
| | Handle Kit (with operating mechanism) | 349935532 | 1 | 1 | 1 | 1 |
| | Shaft | 349962205 | 1 | 1 | 1 | 1 |
| | Ground Lug | 349938002 | 1 | 1 | 1 | 1 |
| | Switch- 400A [1] | 349935325 | 1 | 1 | 1 | 1 |
| | Handle Kit (with operating mechanism) | 349935621 | 1 | 1 | 1 | 1 |
| | Shaft | 349962206 | 1 | 1 | 1 | 1 |
| | Ground Lug | 349938002 | 1 | 1 | 1 | 1 |
| | Switch- 600A [1, 2, 3] | 193438205 | 1 | 1 | 1 | 1 |
| | Handle | 349961102 | 1 | 1 | 1 | 1 |
| | Operating Mechanism [3] | 193455001 | 1 | 1 | 1 | 1 |
| | Shaft | 349961301 | 1 | 1 | 1 | 1 |
| | Shaft- Mod [3] | 349962207 | 1 | 1 | 1 | 1 |
| | Ground Lug | 349938002 | 1 | 1 | 1 | 1 |
| | Switch- 800A [1, 3] | 193438201 | 1 | 1 | 1 | 1 |
| | Handle | 349961102 | 1 | 1 | 1 | 1 |
| | Operating Mechanism [3] | 193455001 | 1 | 1 | 1 | 1 |
| | Shaft | 349961301 | 1 | 1 | 1 | 1 |
| | Shaft- Mod [3] | 349962242 | 1 | 1 | 1 | 1 |
| | Ground Lug | 349938003 | 1 | 1 | 1 | 1 |
| | Switch- 1000A [1, 3] | 193438206 | 1 | 1 | 1 | 1 |
| | Handle | 349961102 | 1 | 1 | 1 | 1 |
| | Operating Mechanism [3] | 193455001 | 1 | 1 | 1 | 1 |
| | Shaft | 349961301 | 1 | 1 | 1 | 1 |
| | Shaft- Mod [3] | 349962242 | 1 | 1 | 1 | 1 |
| | Ground Lug | 349938003 | 1 | 1 | 1 | 1 |

[1] Any of the listed Disconnects may be used, depending on unit options. Check installed part to verify, or contact Daikin Applied with unit serial and GO number to ensure correct replacement is selected.

[2] The 600A switch listed is used on units with one Disconnect or two Disconnects EH/balance of unit (code 11= A2 or B2). If unit has two Disconnects where the second Disconnect controls the fans (Code 11= C2) or 3 Disconnects (Code 11= D2) then use Switch p/n 193438002, Handle kit p/n 193437901, Shaft p/n 349962233, and Ground Lug p/n 349938002.

[3] Note that the original Disconnect is obsolete. If replacing an original part, due to dimensional differences, minor field modifications may be required for proper installation.

# Section N- Controls
## MicroTech II: Code 12= *D, *S- 1/07 thru 12/10
## Main Control Box Common Components, Continued

| Sch. Sym. | Part Description | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|
| | | | 208V | 230V | 460V | 575V |
| | **Disconnect Switch, continued** | | | | | |
| DS1 | Disconnect Switch- Main Electric Heat (Code 04= E) | | | | | |
| | Switch- 100A [1] | 349935121 | 1 | 1 | 1 | 1 |
| | Handle Kit | 349935521 | 1 | 1 | 1 | 1 |
| | Shaft | 349962204 | 1 | 1 | 1 | 1 |
| | Ground Lug | 349938001 | 1 | 1 | 1 | 1 |
| | Load Lug | 349956101 | 1 | 1 | 1 | 1 |
| | Cover- Load Lug | 349957003 | 1 | 1 | 1 | 1 |
| | Switch- 150A [1] | 349935122 | 1 | 1 | 1 | 1 |
| | Handle Kit | 349935532 | 1 | 1 | 1 | 1 |
| | Shaft | 349962205 | 1 | 1 | 1 | 1 |
| | Ground Lug | 349938001 | 1 | 1 | 1 | 1 |
| | Load Lug | 349956202 | 1 | 1 | 1 | 1 |
| | Cover- Load Lug | 349957001 | 1 | 1 | 1 | 1 |
| | Switch- 250A [1] | 349935222 | 1 | 1 | 1 | 1 |
| | Handle Kit | 349935532 | 1 | 1 | 1 | 1 |
| | Shaft | 349962205 | 1 | 1 | 1 | 1 |
| | Ground Lug | 349938001 | 1 | 1 | 1 | 1 |
| | Load Lug | 349956302 | 1 | 1 | 1 | 1 |
| | Cover- Load Lug | 349957002 | 1 | 1 | 1 | 1 |
| | Switch- 400A [1] | 349935325 | 1 | 1 | 1 | 1 |
| | Handle Kit | 349935621 | 1 | 1 | 1 | 1 |
| | Shaft | 349962206 | 1 | 1 | 1 | 1 |
| | Ground Lug | 349938002 | 1 | 1 | 1 | 1 |
| | Switch- 600A [1, 2, 3] | 193438205 | 1 | 1 | 1 | 1 |
| | Handle | 349961102 | 1 | 1 | 1 | 1 |
| | Operating Mechanism [3] | 193455001 | 1 | 1 | 1 | 1 |
| | Shaft | 349961301 | 1 | 1 | 1 | 1 |
| | Shaft- Mod [3] | 349962207 | 1 | 1 | 1 | 1 |
| | Ground Lug | 349938002 | 1 | 1 | 1 | 1 |
| | Switch- 800A [1, 3] | 193438201 | 1 | 1 | 1 | 1 |
| | Handle | 349961102 | 1 | 1 | 1 | 1 |
| | Operating Mechanism [3] | 193455001 | 1 | 1 | 1 | 1 |
| | Shaft | 349961301 | 1 | 1 | 1 | 1 |
| | Shaft- Mod [3] | 349962242 | 1 | 1 | 1 | 1 |
| | Ground Lug | 349938003 | 1 | 1 | 1 | 1 |
| | Switch- 1000A [1, 3] | 193438206 | 1 | 1 | 1 | 1 |
| | Handle | 349961102 | 1 | 1 | 1 | 1 |
| | Operating Mechanism [3] | 193455001 | 1 | 1 | 1 | 1 |
| | Shaft | 349961301 | 1 | 1 | 1 | 1 |
| | Shaft- Mod [3] | 349962242 | 1 | 1 | 1 | 1 |
| | Ground Lug | 349938003 | 1 | 1 | 1 | 1 |

[1] Any of the listed Disconnects may be used, depending on unit options. Check installed part to verify, or contact Daikin Applied with unit serial and GO number to ensure correct replacement is selected.

[2] The 600A Switch listed is used on units with one Disconnect OR two Disconnects EH/balance of unit (Code 11= A2, B2). If unit has two Disconnects where the second Disconnect controls the fans (Code 11= C2) OR 3 Disconnects (Code 11= D2) then use Switch p/n 193438002, Handle kit p/n 193437901, Shaft p/n 349962233, and Ground Lug p/n 349938002.

[3] Note that the original Disconnect is obsolete. If replacing an original part, due to dimensional differences, minor field modifications may be required for proper installation.

# Section N- Controls
## MicroTech II: Code 12= *D, *S- 1/07 thru 12/10
## Main Control Box Common Components, Continued

| Sch. Sym. | Part Description | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|
| | | | 208V | 230V | 460V | 575V |
| | **Disconnect Switch, continued** | | | | | |
| DS2 | Disconnect Switch- SAF/RAF (Code 11= C2, D2) | | | | | |
| | Switch- 100A [1] | 349935121 | 1 | 1 | 1 | 1 |
| | Handle Kit | 349935521 | 1 | 1 | 1 | 1 |
| | Shaft | 349962204 | 1 | 1 | 1 | 1 |
| | Ground Lug | 349938001 | 1 | 1 | 1 | 1 |
| | Load Lug | 349956101 | 1 | 1 | 1 | 1 |
| | Cover- Load Lug | 349957003 | 1 | 1 | 1 | 1 |
| | Switch- 150A [1] | 349935122 | 1 | 1 | 1 | 1 |
| | Handle Kit | 349935532 | 1 | 1 | 1 | 1 |
| | Shaft | 349962205 | 1 | 1 | 1 | 1 |
| | Ground Lug | 349938001 | 1 | 1 | 1 | 1 |
| | Load Lug | 349956202 | 1 | 1 | 1 | 1 |
| | Cover- Load Lug | 349957001 | 1 | 1 | 1 | 1 |
| | Switch- 250A [1] | 349935222 | 1 | 1 | 1 | 1 |
| | Handle Kit | 349935532 | 1 | 1 | 1 | 1 |
| | Shaft | 349962205 | 1 | 1 | 1 | 1 |
| | Ground Lug | 349938001 | 1 | 1 | 1 | 1 |
| | Load Lug | 349956302 | 1 | 1 | 1 | 1 |
| | Cover- Load Lug | 349957002 | 1 | 1 | 1 | 1 |
| | Switch- 400A [1] | 349935321 | 1 | 1 | 1 | 1 |
| | Handle Kit | 349935621 | 1 | 1 | 1 | 1 |
| | Shaft | 349962206 | 1 | 1 | 1 | 1 |
| | Ground Lug | 349938002 | 1 | 1 | 1 | 1 |
| | Load Lug | 349956401 | 3 | 3 | 3 | 3 |
| | Cover- Load Lug | 349957004 | 1 | 1 | 1 | 1 |

[1] Any of the listed Disconnects may be used, depending on unit options. Check installed part to verify, or contact Daikin Applied with unit serial and GO number to ensure correct replacement is selected.

# Section N- Controls

## MicroTech II: Code 12= *D, *S- 4/05 thru 12/06

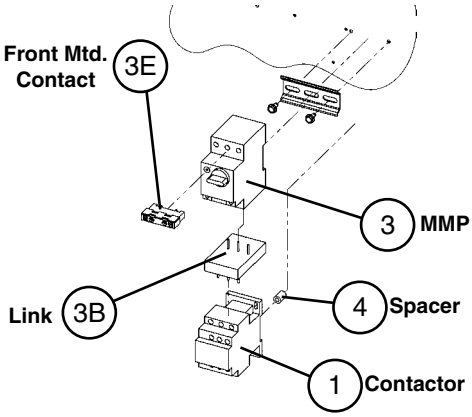
## Supply Fan CB10, and Return Fan CB20 Circuit Breaker & Plugs

| Sch. Sym. | Part Description | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|
| | | | 208V | 230V | 460V | 575V |
| | **Circuit Breakers- Supply & Return Fan** | | | | | |
| CB10<br>CB20 | Circuit Breaker- Supply Fan<br>Circuit Breaker- Return Fan | | | | | |
| | Motor HP= 5, 7.5, 10 | 349939601 | | | | 1 |
| | Motor HP= 5 | 349939622 | 1 | 1 | | |
| | Motor HP= 5, 7.5 | 349939621 | | | 1 | |
| | Motor HP= 7.5 | 349939624 | 1 | 1 | | |
| | Motor HP= 10 | 349939626 | 1 | 1 | | |
| | Motor HP= 10 | 349939622 | | | 1 | |
| | Motor HP= 15 | 349939629 | 1 | 1 | | |
| | Motor HP= 15 | 349939624 | | | 1 | |
| | Motor HP= 15, 20 | 349939604 | | | | 1 |
| | Motor HP= 20 | 349939631 | 1 | | | |
| | Motor HP= 20 | 349939630 | | 1 | | |
| | Motor HP= 20, 25 | 349939626 | | | 1 | |
| | Motor HP= 25 | 349939632 | 1 | | | |
| | Motor HP= 25 | 349939631 | | 1 | | |
| | Motor HP= 25, 30 | 349939606 | | | | 1 |
| | Motor HP= 30 | 349939701 | 1 | | | |
| | Motor HP= 30 | 349939633 | | 1 | | |
| | Motor HP= 30 | 349939628 | | | 1 | |
| | Motor HP= 40 | 349939703 | 1 | 1 | | |
| | Motor HP= 40 | 349939630 | | | 1 | |
| | Motor HP= 40 | 349939608 | | | | 1 |
| | Motor HP= 50 | 349939631 | | | 1 | |
| | Motor HP= 50 | 349939610 | | | | 1 |
| | Motor HP= 60 | 349939632 | | | 1 | |
| | Motor HP= 60 | 349939611 | | | | 1 |
| | Motor HP= 75 | 349939701 | | | 1 | |
| | **Plugs** [1] | | | | | |
| [2] | 4 Pin Plug | 349930201 | varies | varies | varies | varies |
| [3] | 6 Pin Plug | 349930403 | varies | varies | varies | varies |
| [4] | 12 Pin Plug | 349930405 | varies | varies | varies | varies |
| [5] | 3 Pin Cap Kit | 349930501 | varies | varies | varies | varies |
| [6] | 6 Pin Cap Kit | 349930503 | varies | varies | varies | varies |
| [7] | 9 Pin Cap Kit | 349930504 | varies | varies | varies | varies |
| [8] | 15 Pin Cap Kit | 349930506 | varies | varies | varies | varies |

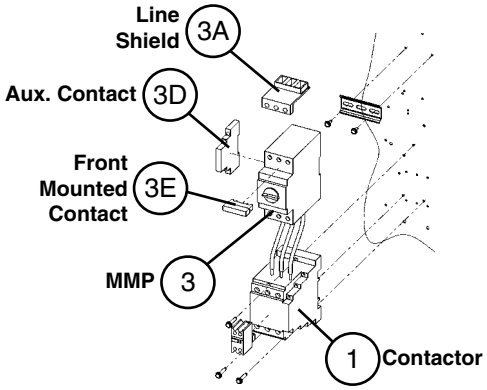
[1] All possible Plugs used are listed. Check installed part to verify. Not shown on diagram.
[2] Used for PL1, PL, 2, PL3, PL4, PL5, PL6, PL22,PL23, PL24, PL37, PL38.
[3] Used with Strain Relief (p/n 300041173) & 6 pin cap kit (p/n 349930503). Used for PL20, PL21.
[4] Used for PL11, PL12, PL25, PL26, PL27, PL28, PL29, PL30 (PL11 & 12 also use Strain Relief p/n 300041175 & Cap kit p/n 349930505).
[5] Used for PL16, PL17, PL31, PL32, PL33, PL34, PL39, PL40, PL41, PL42.
[6] Used for PL9, PL10.
[7] Used for PL18, PL19, PL35, PL36, PL43.
[8] Used for PL7, PL8.

# Section N- Controls

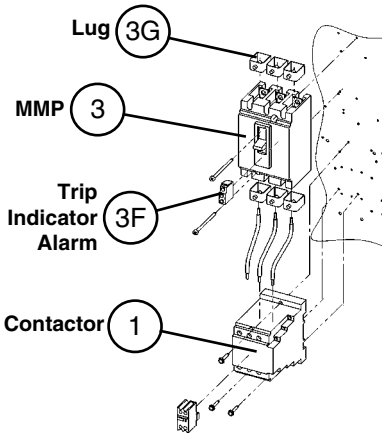
## MicroTech II: Code 12= *D, *S- 1/07 thru 12/10
## Supply MMP10 Motor Protector, M10 Fan Contactor &
## Return MMP20 Motor Protector, M20 Fan Contactor
## Diagrams [1]



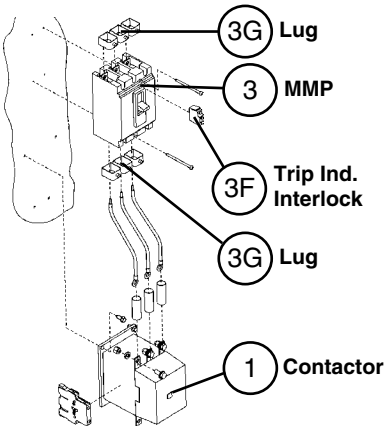

**MMP10 & M10 Link Detail**
**MMP20 & M20 Link Detail**
**3- 10 HP Motors- All Voltages**
**15, 20 HP Motor- 460/575V**
**25, 30 HP Motors- 575V**




**MMP10 & M10 Link Detail**
**MMP20 & M20 Link Detail**
**15, 20 HP Motors- 208/230V**
**25 HP Motors- 230/460V**
**30 HP Motors- 460V**
**40 HP Motors- 460/575V**
**50 HP Motors- 460/575V**
**60HP Motors- 575V**




**MMP10 & M10 Link Detail**
**MMP20 & M20 Link Detail**
**25 HP Motors- 208V**
**30, 40 HP Motors- 208/230V**
**50 HP Motor- 230V**
**60HP Motors- 460V**
**75 HP Motors- 460/575V**




**MMP10 & M10 Link Detail**
**50HP Motors- 208V**
**60HP Motors- 208/230V**

[1] The above diagrams show ALL possible parts. Not every part shown applies to every unit size/voltage combination.

# Section N- Controls

## MicroTech II: Code 12= *D, *S- 1/07 thru 12/10
## Supply MMP10 Motor Protector, M10 Fan Contactor &
## Return MMP20 Motor Protector, M20 Fan Contactor
## Components

**3 HP Motor- Code 22= H****

| Ref. No. | Sch. Sym. | Part Description | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|---|
| | | | | 208V | 230V | 460V | 575V |
| 1 | M20 | Contactor- Return Fan | 349932122 | 1 | 1 | | |
| | | Contactor- Return Fan | 349932121 | | | 1 | 1 |
| 3 | MMP20 | MMP- Return Fan | 349934050 | 1 | 1 | | |
| | | MMP- Return Fan | 349934049 | | | 1 | |
| | | MMP- Return Fan | 349934048 | | | | 1 |
| 3B | | Link | 349932922 | 1 | 1 | 1 | 1 |
| 3E | | Aux. Contact- 1 NO OR NC | 349933821 | 1 | 1 | 1 | 1 |
| 4 | | Spacer | 349906501 | 1 | 1 | 1 | 1 |

**5 HP Motor- Code 22 OR 32= J****

| Ref. No. | Sch. Sym. | Part Description | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|---|
| | | | | 208V | 230V | 460V | 575V |
| 1 | M10, 20 | Contactor- Supply (M10) OR Return (M20) Fan | 349932123 | 1 | 1 | | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 349932121 | | | 1 | 1 |
| 3 | MMP10, 20 | MMP- Supply (MMP10) OR Return (MMP20) Fan | 349934052 | 1 | | | |
| | | MMP- Supply (MMP10) OR Return (MMP20) Fan | 349934051 | | 1 | | |
| | | MMP- Supply (MMP10) OR Return (MMP20) Fan | 349934050 | | | 1 | |
| | | MMP- Supply (MMP10) OR Return (MMP20) Fan | 349934049 | | | | 1 |
| 3B | | Link | 349932922 | 1 | 1 | 1 | 1 |
| 3E | | Aux. Contact- 1 NO OR NC | 349933821 | 1 | 1 | 1 | 1 |
| 4 | | Spacer | 349906501 | 1 | 1 | 1 | 1 |

**7.5 HP Motor- Code 22 OR 32= K****

| Ref. No. | Sch. Sym. | Part Description | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|---|
| | | | | 208V | 230V | 460V | 575V |
| 1 | M10, 20 | Contactor- Supply (M10) OR Return (M20) Fan | 349932321 | 1 | 1 | | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 349932122 | | | 1 | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 349932121 | | | | 1 |
| 3 | MMP10, 20 | MMP- Supply (MMP10) OR Return (MMP20) Fan | 349934053 | 1 | 1 | | |
| | | MMP- Supply (MMP10) OR Return (MMP20) Fan | 349934051 | | | 1 | |
| | | MMP- Supply (MMP10) OR Return (MMP20) Fan | 349934050 | | | | 1 |
| 3B | | Link | 349932922 | 1 | 1 | 1 | 1 |
| 3E | | Aux. Contact- 1 NO OR NC | 349933821 | 1 | 1 | 1 | 1 |
| 4 | | Spacer | 349906501 | 1 | 1 | 1 | 1 |

# Section N- Controls

## MicroTech II: Code 12= *D, *S- 1/07 thru 12/10
## Supply MMP10 Motor Protector, M10 Fan Contactor &
## Return MMP20 Motor Protector, M20 Fan Contactor
## Components, Continued

**10 HP Motor- Code 22 OR 32= L****

| Ref. No. | Sch. Sym. | Part Description | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|---|
| | | | | 208V | 230V | 460V | 575V |
| 1 | M10, 20 | Contactor- Supply (M10) OR Return (M20) Fan | 349932322 | 1 | 1 | | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 349932123 | | | 1 | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 349932122 | | | | 1 |
| 3 | MMP10, 20 | MMP- Supply (MMP10) OR Return (MMP20) Fan | 349934055 | 1 | 1 | | |
| | | MMP- Supply (MMP10) OR Return (MMP20) Fan | 349934051 | | | 1 | 1 |
| 3B | | Link | 349932922 | 1 | 1 | 1 | 1 |
| 3E | | Aux. Contact- 1 NO OR NC | 349933821 | 1 | 1 | 1 | 1 |
| 4 | | Spacer | 349906501 | 1 | 1 | 1 | 1 |

**15 HP Motor- Code 22 OR 32= M****

| Ref. No. | Sch. Sym. | Part Description | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|---|
| | | | | 208V | 230V | 460V | 575V |
| 1 | M10, 20 | Contactor- Supply (M10) OR Return (M20) Fan | 349932522 | 1 | 1 | | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 349932321 | | | 1 | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 349932123 | | | | 1 |
| 3 | MMP10, 20 | MMP- Supply (M10) OR Return (M20) Fan | 349934148 | 1 | | | |
| | | MMP- Supply (M10) OR Return (M20) Fan | 349934147 | | 1 | | |
| | | MMP- Supply (M10) OR Return (M20) Fan | 349934053 | | | 1 | |
| | | MMP- Supply (M10) OR Return (M20) Fan | 349934052 | | | | 1 |
| 3B | | Link | 349932922 | | | 1 | 1 |
| 3E | | Aux. Contact- 1 NO OR NC | 349933821 | 1 | 1 | 1 | 1 |
| 4 | | Spacer | 349906501 | | | 1 | 1 |

**20 HP Motor- Code 22 OR 32= N****

| Ref. No. | Sch. Sym. | Part Description | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|---|
| | | | | 208V | 230V | 460V | 575V |
| 1 | M10, 20 | Contactor- Supply (M10) OR Return (M20) Fan | 349932523 | 1 | 1 | | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 349932322 | | | 1 | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 349932321 | | | | 1 |
| 3 | MMP10, 20 | MMP- Supply (M10) OR Return (M20) Fan | 349934149 | 1 | | | |
| | | MMP- Supply (M10) OR Return (M20) Fan | 349934148 | | 1 | | |
| | | MMP- Supply (M10) OR Return (M20) Fan | 349934054 | | | 1 | |
| | | MMP- Supply (M10) OR Return (M20) Fan | 349934053 | | | | 1 |
| 3B | | Link | 349932922 | | | 1 | 1 |
| 3E | | Aux. Contact- 1 NO OR NC | 349933821 | 1 | 1 | 1 | 1 |
| 4 | | Spacer | 349906501 | | | 1 | 1 |

# Section N- Controls

## MicroTech II: Code 12= *D, *S- 1/07 thru 12/10
## Supply MMP10 Motor Protector, M10 Fan Contactor &
## Return MMP20 Motor Protector, M20 Fan Contactor
## Components, Continued

**25 HP Motor- Code 22 OR 32= P****

| Ref. No. | Sch. Sym. | Part Description | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|---|
| | | | | 208V | 230V | 460V | 575V |
| 1 | M10, 20 | Contactor- Supply (M10) OR Return (M20) Fan | 349932621 | 1 | 1 | | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 349932521 | | | 1 | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 349932322 | | | | 1 |
| 3 | MMP10, 20 | MMP- Supply (M10) OR Return (M20) Fan | 349938606 | 1 | | | |
| | | MMP- Supply (M10) OR Return (M20) Fan | 349934149 | | 1 | | |
| | | MMP- Supply (M10) OR Return (M20) Fan | 349934055 | | | 1 | |
| | | MMP- Supply (M10) OR Return (M20) Fan | 349934054 | | | | 1 |
| 3B | | Link | 349932922 | | | | 1 |
| 3E | | Aux. Contact- 1NO or NC | 349933821 | | 1 | 1 | 1 |
| 3F | | Trip Indicator Alarm | 349938701 | 1 | | | |
| 3G | | Lug (3 per kit) | 349938801 | 2 | | | |

**30 HP Motor- Code 22 OR 32= Q****

| Ref. No. | Sch. Sym. | Part Description | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|---|
| | | | | 208V | 230V | 460V | 575V |
| 1 | M10, 20 | Contactor- Supply (M10) OR Return (M20) Fan | 349932721 | 1 | | | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 349932621 | | 1 | | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 349932521 | | | 1 | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 349932322 | | | | 1 |
| 3 | MMP10, 20 | MMP- Supply (M10) OR Return (M20) Fan | 349938606 | 1 | 1 | | |
| | | MMP- Supply (M10) OR Return (M20) Fan | 349934147 | | | 1 | |
| | | MMP- Supply (M10) OR Return (M20) Fan | 349934055 | | | | 1 |
| 3B | | Link | 349932922 | | | | 1 |
| 3E | | Aux. Contact- 1NO or NC | 349933821 | | | 1 | 1 |
| 3F | | Trip Indicator Alarm | 349938701 | 1 | 1 | | |
| 3G | | Lug (3 per kit) | 349938801 | 2 | 2 | | |
| 4 | | Spacer | 349906501 | | | | 1 |

# Section N- Controls

## MicroTech II: Code 12= *D, *S- 1/07 thru 12/10
## Supply MMP10 Motor Protector, M10 Fan Contactor &
## Return MMP20 Motor Protector, M20 Fan Contactor
## Components, Continued

### 40 HP Motor- Code 22 OR 32= R**

| Ref. No. | Sch. Sym. | Part Description | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|---|
| | | | | 208V | 230V | 460V | 575V |
| 1 | M10, 20 | Contactor- Supply (M10) OR Return (M20) Fan | 349932722 | 1 | | | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 349932721 | | 1 | | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 349932522 | | | 1 | 1 |
| 3 | MMP10, 20 | MMP- Supply (M10) OR Return (M20) Fan | 349938607 | 1 | | | |
| | | MMP- Supply (M10) OR Return (M20) Fan | 349938606 | | 1 | | |
| | | MMP- Supply (M10) OR Return (M20) Fan | 349934148 | | | 1 | |
| | | MMP- Supply (M10) OR Return (M20) Fan | 349934147 | | | | 1 |
| 3E | | Aux. Contact- 1NO or NC | 349933821 | | | 1 | 1 |
| 3F | | Trip Indicator Alarm | 349938701 | 1 | 1 | | |
| 3G | | Lug (3 per kit) | 349938801 | 1[1] | 1[1] | | |

[1] Also requires 3 field supplied ring terminals.

### 50 HP Motor- Code 22 OR 32= S**

| Ref. No. | Sch. Sym. | Part Description | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|---|
| | | | | 208V | 230V | 460V | 575V |
| 1 | M10, 20 | Contactor- Supply (M10) OR Return (M20) Fan | 349932702 | 1 | | | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 349932722 | | 1 | | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 349932621 | | | 1 | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 349932523 | | | | 1 |
| 3 | MMP10, 20 | MMP- Supply (M10) OR Return (M20) Fan | 349938607 | 1 | 1 | | |
| | | MMP- Supply (M10) OR Return (M20) Fan | 349934149 | | | 1 | |
| 3E | | MMP- Supply (M10) OR Return (M20) Fan | 349934148 | | | | 1 |
| 3E | | Aux. Contact- 1NO or NC | 349933821 | | | 1 | 1 |
| 3F | | Trip Indicator Alarm | 349938701 | 1 | 1 | | |
| 3G | | Lug (3 per kit) | 349938801 | 1[2] | 1[2] | | |

[2] Also requires 3 field supplied ring terminals.

# Section N- Controls

## MicroTech II: Code 12= *D, *S- 1/07 thru 12/10
## Supply MMP10 Motor Protector, M10 Fan Contactor &
## Return MMP20 Motor Protector, M20 Fan Contactor
## Components, Continued

**60 HP Motor- Code 22 OR 32= T****

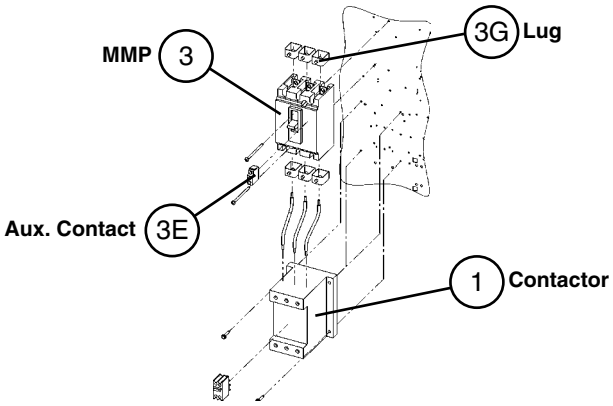
| Ref. No. | Sch. Sym. | Part Description | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|---|
| | | | | 208V | 230V | 460V | 575V |
| 1 | M10, 20 | Contactor- Supply (M10) OR Return (M20) Fan | 349932702 | 1 | 1 | | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 349932621 | | | 1 | 1 |
| 3 | MMP10, 20 | MMP- Supply (M10) OR Return (M20) Fan | 349938608 | 1 | | | |
| | | MMP- Supply (M10) OR Return (M20) Fan | 349938607 | | 1 | | |
| | | MMP- Supply (M10) OR Return (M20) Fan | 349938606 | | | 1 | |
| | | MMP- Supply (M10) OR Return (M20) Fan | 349934149 | | | | 1 |
| 3E | | Aux. Contact- 1NO or NC | 349933821 | | | | 1 |
| 3F | | Trip Indicator Alarm | 349938701 | 1 | 1 | 1 | |
| 3G | | Lug (3 per kit) | 349938802 | 2[1] | 1[1] | | |
| | | Lug (3 per kit) | 349938801 | | | 2 | |

[1] Also requires 3 field supplied ring terminals PER kit.

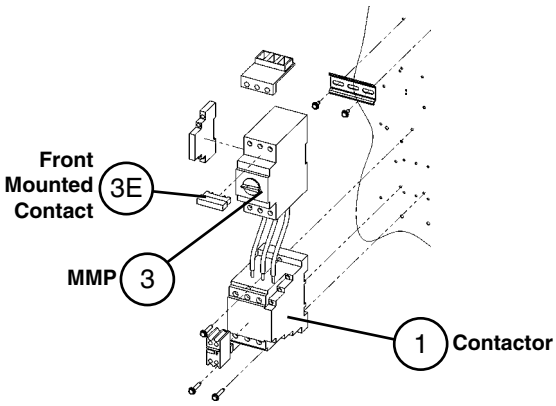
**75 HP Motor- Code 32= U****

| Ref. No. | Sch. Sym. | Part Description | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|---|
| | | | | 208V | 230V | 460V | 575V |
| 1 | M10 | Contactor- Supply Fan | 349932721 | | | 1 | 1 |
| 3 | MMP10 | MMP- Supply Fan | 349938606 | | | 1 | 1 |
| 3F | | Trip Indicator Alarm | 349938701 | | | 1 | 1 |
| 3G | | Lug | 349938801 | | | 2 | 2 |

# Section N- Controls
## MicroTech II: Code 12= *D, *S- 1/07 thru 12/10
## Compressor MMP1- 4 and Contactor M1- 4 [1]




**MMP1- 2 & M1- 2 Link Detail**
**076C- 208/230V**
**089C, 100C- 208/230/460V**

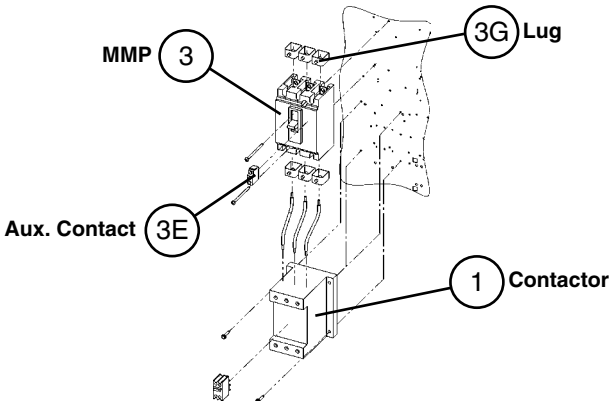



**MMP1- 2 & M1- 2 Link Detail**
**076C- 460/575V**
**089C, 100C- 575V**

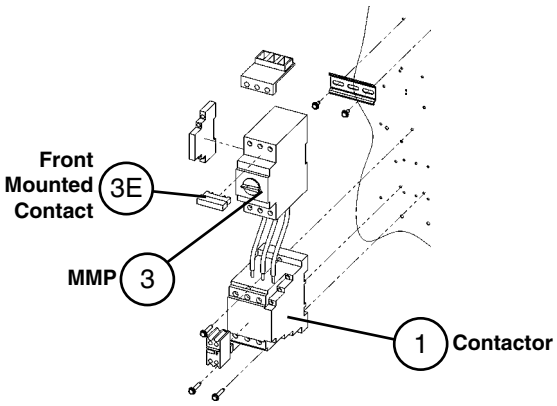
| Ref. No. | Sch. Sym. | Part Description | Part Number | Unit Size | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 076 | | | | 089 | | | | 100 | | | |
| | | | | 208V | 230V | 460V [4] | 575V | 208V | 230V | 460V [4] | 575V | 208V | 230V | 460V [4] | 575V |
| | | **Compressor Contactors & Parts** | | | | | | | | | | | | | |
| 1 | M1, 2 | Contactor | [3] | | | | | | | | | 3 | 3 | | |
| | | Contactor 150A | 349932722 | 2 | 2 | | | 2 | 2 | | | | | | |
| | | Contactor [4] 115A | 349932721 | | | | | | | | | | | 2 | |
| | | Contactor [4] 80A | 349932621 | | | | | | | 2 | | | | | |
| | | Contactor [4] 65A | 349932523 | | | 2 | 2 | | | | 2 | | | | 2 |
| | | **Compressor MMP's & Parts** | | | | | | | | | | | | | |
| 3 | MMP1, 2 | Motor Protector 150- 220A | 349938608 | | | | | | | | | 2 | 2 | | |
| | | Motor Protector 90- 150A | 349938607 | 2 | 2 | | | 2 | 2 | | | | | | |
| | | Motor Protector [4] 60- 100A | 349938606 | | | | | | | 2 | | | | 2 | |
| | | Motor Protector [4] 50- 65A | 349934149 | | | 2 | | | | | 2 | | | | 2 |
| | | Motor Protector 40- 50A | 349934148 | | | | 2 | | | | | | | | |
| 3E | | Aux. Contact- 1NO or NC [4] | 349938701 | 2 | 2 | | | 2 | 2 | 2 | | 2 | 2 | 2 | |
| | | Front Mounted Contact- 1NO [4] | 349933821 | | | 2 | 2 | | | | 2 | | | | 2 |
| 3G | | Lug Kit (3 lugs per kit) [4] | 349938801 | 2 [2] | 2 [2] | | | 2 [2] | 2 [2] | 2 [2] | | 2 [2] | 2 [2] | 2 [2] | |

[1] The above diagrams show ALL possible parts. Not every part shown applies to every unit size/voltage combination.
[2] Also requires 3 field supplied ring terminals.
[3] Contact Daikin Applied with model and serial number information so that the correct part(s) can be identified.
[4] On 7/09 the amp ratings for 460V Compressor Contactors and Motor Protectors were revised. When replacing an original 460V Contactor OR MMP, it is recommended that the Contactor and MMP be replaced with the above listed uprated components. For 35 and 40HP compressors, in addition to the Contactor and MMP, the Auxiliary and Lug Kit MUST also be ordered. Refer to the Compressor listing in Section M to determine Compressor horsepower.

# Section N- Controls
## MicroTech II: Code 12= *D, *S- 1/07 thru 12/10
## Compressor MMP1- 4 and Contactor M1- 4, Continued [1]




**MMP1- 4 & M1- 4 Link Detail**
**110C, 130C- 208/230V**




**MMP1- 4 & M1- 4 Link Detail**
**110C, 130C- 460/575V**

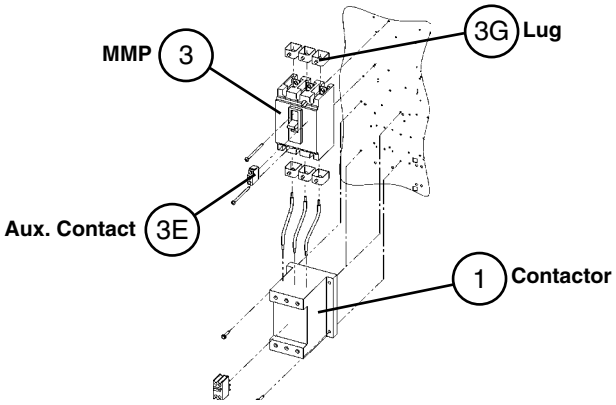
| Ref. No. | Sch. Sym. | Part Description | Part Number | Unit Size 110 208V | 110 230V | 110 460V [3] | 110 575V | 130 208V | 130 230V | 130 460V [3] | 130 575V |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | **Compressor Contactors & Parts** | | | | | | | | | |
| 1 | M1- 4 | Contactor 150A | 349932722 | | | | | 4 | 4 | | |
| | | Contactor 115A | 349932721 | 4 | 4 | | | | | | |
| | | Contactor [3] 65A | 349932523 | | | | | | | 4 | 4 |
| | | Contactor [3] 50A | 349932522 | | | 4 | 4 | | | | |
| | | **Compressor MMP's & Parts** | | | | | | | | | |
| 3 | MMP1- 4 | Motor Protector 90- 150A | 349938607 | 4 | | | | 4 | 4 | | |
| | | Motor Protector 60- 100A | 349938606 | | 4 | | | | | | |
| | | Motor Protector [3] 50- 65A | 349934149 | | | | | | | 4 | |
| | | Motor Protector [3] 40- 50A | 349934148 | | | 4 | | | | | 4 |
| | | Motor Protector 30- 40A | 349934147 | | | | 4 | | | | |
| 3E | | Aux. Contact- 1NO or NC | 349938701 | 4 | 4 | | | | | | |
| | | Front Mounted Contact- 1NO [3] | 349933821 | | | 4 | 4 | | | 4 | 4 |
| 3G | | Lug Kit (3 lugs per kit) | 349938801 | 4 [2] | 4 [2] | | | 4 [2] | 4 [2] | | |

[1] The above diagrams show ALL possible parts. Not every part shown applies to every unit size/voltage combination.
[2] Also requires 3 field supplied ring terminals.
[3] On 7/09 the amp ratings for 460V Compressor Contactors and Motor Protectors were revised. When replacing an original 460V Contactor OR MMP, it is recommended that the Contactor and MMP be replaced with the above listed uprated components.

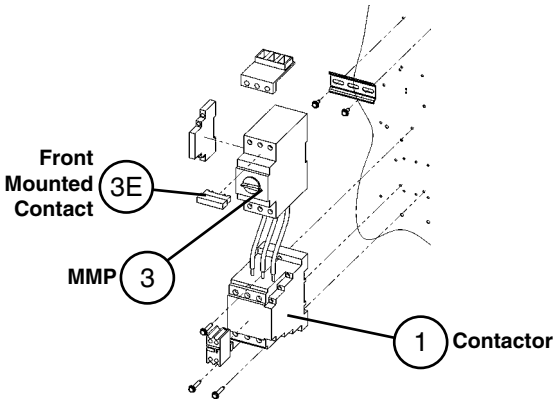
# Section N- Controls

## MicroTech II: Code 12= *D, *S- 1/07 thru 12/10

## Compressor MMP1- 4 and Contactor M1- 4, Continued [1]




**MMP1- 4 & M1- 4 Link Detail**
**140C Circuit #1- 208/230V**
**140C Circuit #2, 150C- 208/230/460V**




**MMP1- 4 & M1- 4 Link Detail**
**140C Circuit #1- 460/575V**
**140C Circuit #2, 150C- 575V**

| Ref. No. | Sch. Sym. | Part Description | Part Number | Unit Size | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 140 | | | | 150 | | | |
| | | | | 208V | 230V | 460V [7] | 575V | 208V | 230V | 460V [7] | 575V |
| | | **Compressor Contactors & Parts** | | | | | | | | | |
| 1 | M1, 2 [2] | Contactor 150A | 349932722 | 4 | 4 | | | 4 | 4 | | |
| | | Contactor [7] 80A | 349932621 | | | | | | | 4 | |
| | | Contactor [7] 65A | 349932523 | | | 4 | 4 | | | | 4 |
| | M3, 4 [2] | Contactor 150A | 349932722 | 4 | 4 | | | 4 | 4 | | |
| | | Contactor [7] 80A | 349932621 | | | 4 | | | | 4 | |
| | | Contactor 65A | 349932523 | | | | 4 | | | | 4 |
| | | **Compressor MMP's & Parts** | | | | | | | | | |
| 3 | MMP1- 2 [2] | Motor Protector 90- 150A | 349938607 | 4 | 4 | | | 4 | 4 | | |
| | | Motor Protector [7] 60- 100A | 349938606 | | | | | | | 4 | |
| | | Motor Protector [7] 50- 65A | 349934149 | | | 4 | | | | | 4 |
| | | Motor Protector 40- 50A | 349934148 | | | | 4 | | | | |
| | MMP3, 4 [2] | Motor Protector 90- 150A | 349938607 | 4 | 4 | | | 4 | 4 | | |
| | | Motor Protector [7] 60- 100A | 349938606 | | | 4 | | | | 4 | |
| | | Motor Protector 50- 65A | 349934149 | | | | 4 | | | | 4 |
| 3E | | Aux. Contact- 1NO or NC [7] | 349938701 | 4 | 4 | 4 [4] | | 4 | 4 | 4 | |
| | | Front Mounted Contact- 1NO [7] | 349933821 | | | 4 [3] | 4 | | | | 4 |
| 3G | | Lug Kit (3 lugs per kit) [7] | 349938801 | 4 [6] | 4 [6] | 8 [5] | | 4 | 4 | 4 | |

[1] The above diagrams show ALL possible parts. Not every part shown applies to every unit size/voltage combination.

[2] For unit size 140C, M1, 2 & MMP1, 2 are for the 30HP compressors; M3, 4 & MMP3, 4 are for the 35HP compressors.

[3] Used on Circuit #1 only.

[4] Used on Circuit #2 only.

[5] Used on Circuit #2 only and does NOT require 3 field supplied ring terminals

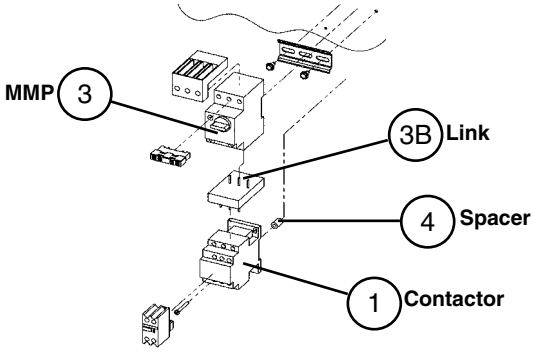
[6] Also requires 3 field supplied ring terminals.

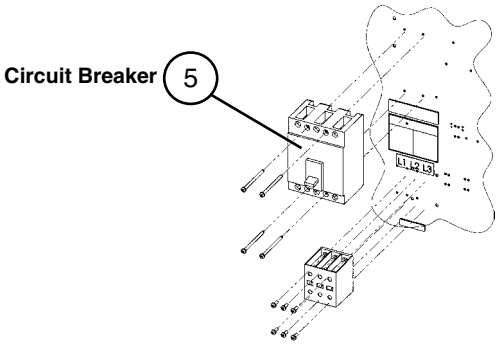
[7] On 7/09 the amp ratings for 460V Compressor Contactors and Motor Protectors were revised. When replacing an original 460V Contactor OR MMP, it is recommended that the Contactor and MMP be replaced with the above listed uprated components. For 35 and 40HP compressors, in addition to the Contactor and MMP, the Auxiliary and Lug Kit MUST also be ordered. Refer to the Compressor listing in Section M to determine Compressor horsepower.

# Section N- Controls

## MicroTech II: Code 12= *D, *S- 1/07 thru 12/10

## Condenser Fan Motor Protector MMP11- 23, Contactors M12- 23 & Circuit Breaker CB11 [1]



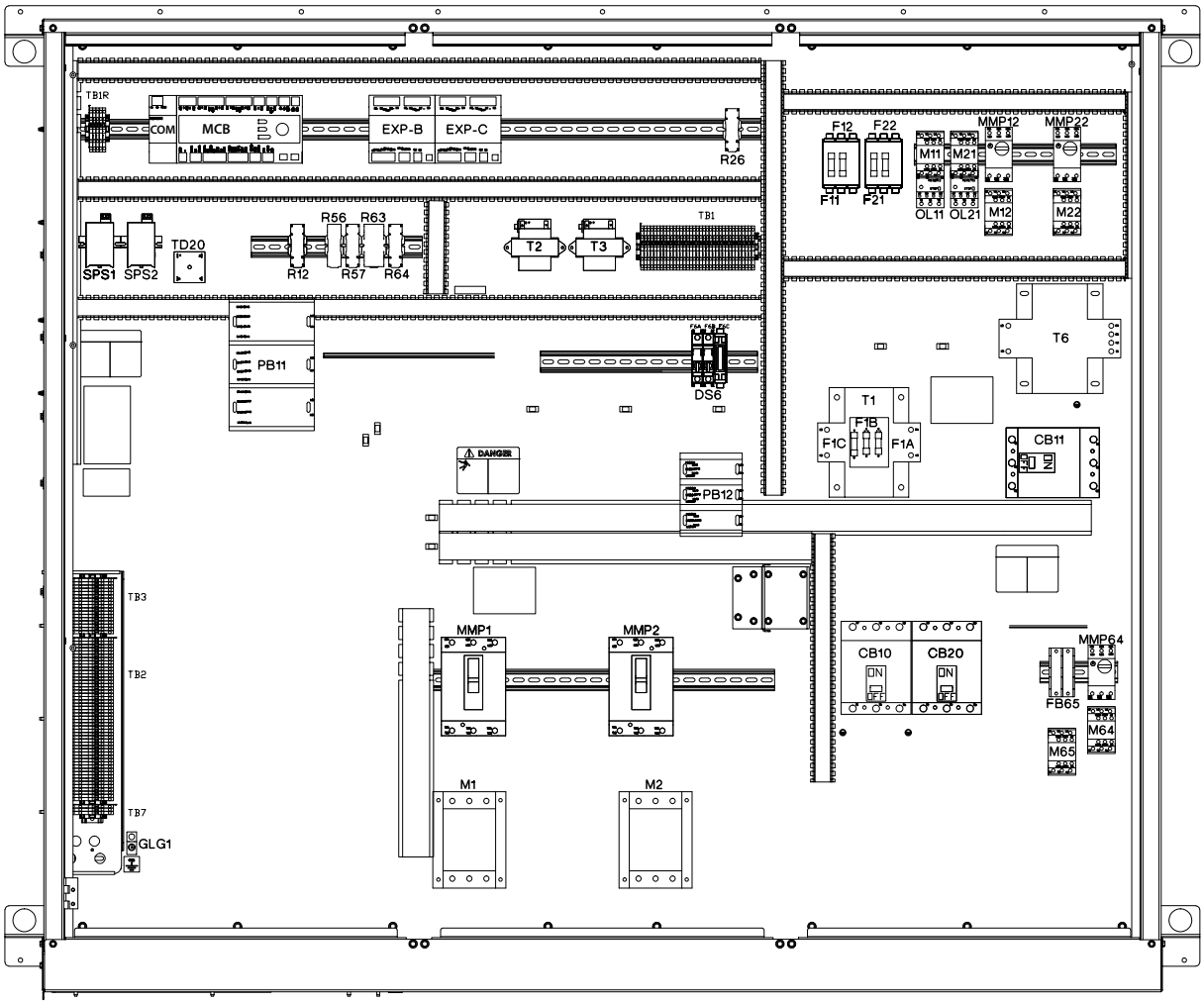

| Ref. No. | Sch. Sym. | Part Description | Number | Part | Unit Size 076- 100 208/230V | 076- 100 460V | 076- 100 575V | 110- 150 208/230V | 110- 150 460V | 110- 150 575V |
|---|---|---|---|---|---|---|---|---|---|---|
| | | **Fan Contactors** | | | | | | | | |
| 1 | M12, 22 | Contactor- Condenser Fan | 9A | 349934201 | 2 | 2 | 2 | 2 | 2 | 2 |
| | M13, 23 | Contactor- Condenser Fan | 9A | 349934201 | | | | 2 | 2 | 2 |
| | | **Fan MMP's & Parts** | | | | | | | | |
| 3 | MMP11, 21 | Manual Motor Protector | 4.0- 6.3A | 349934049 | 2 | | | 2 | | |
| | | Manual Motor Protector | 2.5- 4.0A | 300041314 | | 2 | | | 2 | |
| | | Manual Motor Protector | 1.6- 2.5A | 349934047 | | | 2 | | | 2 |
| | MMP12, 22 | Manual Motor Protector | 4.0- 6.3A | 349934049 | 2 | | | 2 | | |
| | | Manual Motor Protector | 2.5- 4.0A | 300041314 | | 2 | | | 2 | |
| | | Manual Motor Protector | 1.6- 2.5A | 349934047 | | | 2 | | | 2 |
| | MMP13, 23 | Manual Motor Protector | 4.0- 6.3A | 349934049 | | | | 2 | | |
| | | Manual Motor Protector | 2.5- 4.0A | 300041314 | | | | | 2 | |
| | | Manual Motor Protector | 1.6- 2.5A | 349934047 | | | | | | 2 |
| 3B | | Link- MMP | | 349932922 | 4 | 4 | 4 | 6 | 6 | 6 |
| 4 | | Spacer- Contactor | | 349906501 | 4 | 4 | 4 | 6 | 6 | 6 |
| | | **Fan Circuit Breaker** | | | | | | | | |
| 5 | CB11 | Circuit Breaker- Condenser Fan | | 349939621 | 1 [2] | 1 [2] | 1 [2] | 1 [2] | 1 [2] | 1 [2] |

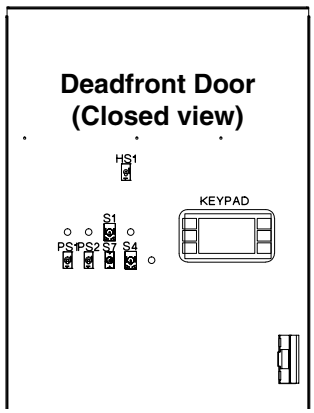
[1] The above diagrams show ALL possible parts. Not every part shown applies to every unit size/voltage combination.
[2] Also requires 3 field supplied ring terminals.

# Section N- Controls

## MicroTech III: Code 12= *E, *F, *W- 1/11 thru 5/13 [1]

## Main Control Box Diagram



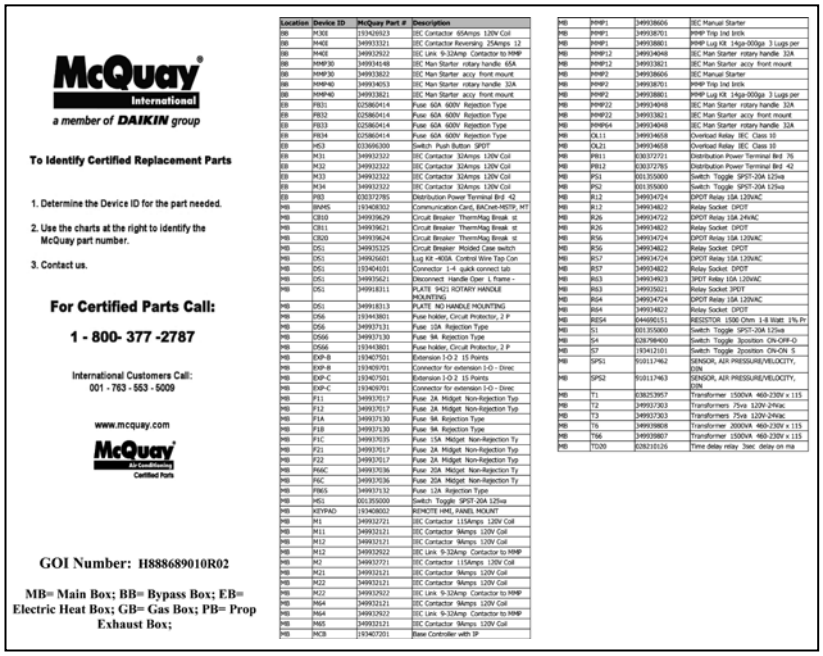




[1] The above diagrams show a typical two compressor (size 076- 100C) Main Control Box layout and is to be used for reference only. Specific unit components, component quantity, and component layout may differ depending upon unit size and options selected.

# Section N- Controls

## MicroTech III: Code 12= *E, *F, *W- 1/11 thru 5/13

## Control Box Component Label Diagram [1]



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2. Use the charts at the right to identify the McQuay part number.
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McQuay Air Conditioning Certified Parts

**GOI Number: H888689010R02**

**MB= Main Box; BB= Bypass Box; EB= Electric Heat Box; GB= Gas Box; PB= Prop Exhaust Box;**

| Location | Device ID | McQuay Part # | Description |
|---|---|---|---|
| BB | M3E | 339420923 | IEC Contactor 65Amps 120V Coil |
| BB | M4E | 349933321 | IEC Contactor Reversing 25Amps 12 |
| BB | M4E | 349932922 | IEC Link 9-32Amp Contactor to MMP |
| BB | MMP30 | 349934148 | IEC Man Starter rotary handle 65A |
| BB | MMP30 | 349933822 | IEC Man Starter accy front mount |
| BB | MMP40 | 349934053 | IEC Man Starter rotary handle 32A |
| BB | MMP40 | 349933821 | IEC Man Starter accy front mount |
| EB | FB31 | 025860414 | Fuse 60A 600V Rejection Type |
| EB | FB32 | 025860414 | Fuse 60A 600V Rejection Type |
| EB | FB33 | 025860414 | Fuse 60A 600V Rejection Type |
| EB | FB34 | 025860414 | Fuse 60A 600V Rejection Type |
| EB | MS3 | 033696300 | Switch Push Button SPDT |
| EB | M31 | 349932322 | IEC Contactor 32Amps 120V Coil |
| EB | M32 | 349932322 | IEC Contactor 32Amps 120V Coil |
| EB | M33 | 349932322 | IEC Contactor 32Amps 120V Coil |
| EB | M34 | 349932322 | IEC Contactor 32Amps 120V Coil |
| EB | PB3 | 030372785 | Distribution Power Terminal Brd 42 |
| MB | BMMS | 193408302 | Communication Card, BACnet-MSTP, MT |
| MB | CB10 | 349939629 | Circuit Breaker ThermMag Break st |
| MB | CB11 | 349939621 | Circuit Breaker ThermMag Break st |
| MB | CB20 | 349939624 | Circuit Breaker ThermMag Break st |
| MB | DS1 | 349935325 | Circuit Breaker Molded Case switch |
| MB | DS1 | 349926601 | Lug Kit -400A Control Wire Tap Con |
| MB | DS1 | 193404101 | Connector 1-4 quick connect tab |
| MB | DS1 | 349935621 | Disconnect Handle Oper L frame - |
| MB | DS1 | 349918311 | PLATE 9421 ROTARY HANDLE MOUNTING |
| MB | DS1 | 349918313 | PLATE NO HANDLE MOUNTING |
| MB | DS6 | 193443801 | Fuse holder, Circuit Protector, 2 P |
| MB | DS6 | 349937131 | Fuse 10A Rejection Type |
| MB | DS66 | 349937130 | Fuse 9A Rejection Type |
| MB | DS66 | 193443801 | Fuse holder, Circuit Protector, 2 P |
| MB | EXP-B | 193407501 | Extension I-O 2 15 Points |
| MB | EXP-B | 193403701 | Connector for extension I-O - Direc |
| MB | EXP-C | 193407501 | Extension I-O 2 15 Points |
| MB | EXP-C | 193409701 | Connector for extension I-O - Direc |
| MB | F11 | 349937017 | Fuse 2A Midget Non-Rejection Typ |
| MB | F12 | 349937017 | Fuse 2A Midget Non-Rejection Typ |
| MB | F1A | 349937130 | Fuse 9A Rejection Type |
| MB | F1B | 349937130 | Fuse 9A Rejection Type |
| MB | F1C | 349937035 | Fuse 15A Midget Non-Rejection Ty |
| MB | F21 | 349937017 | Fuse 2A Midget Non-Rejection Typ |
| MB | F22 | 349937017 | Fuse 2A Midget Non-Rejection Typ |
| MB | F66C | 349937036 | Fuse 20A Midget Non-Rejection Ty |
| MB | F6C | 349937036 | Fuse 20A Midget Non-Rejection Ty |
| MB | FB65 | 349937132 | Fuse 12A Rejection Type |
| MB | MS1 | 001355000 | Switch Toggle SPST-20A 125va |
| MB | KEYPAD | 193408002 | REMOTE HMI, PANEL MOUNT |
| MB | M1 | 349932721 | IEC Contactor 115Amps 120V Coil |
| MB | M11 | 349932121 | IEC Contactor 9Amps 120V Coil |
| MB | M12 | 349932121 | IEC Contactor 9Amps 120V Coil |
| MB | M12 | 349932922 | IEC Link 9-32Amp Contactor to MMP |
| MB | M2 | 349932721 | IEC Contactor 115Amps 120V Coil |
| MB | M21 | 349932121 | IEC Contactor 9Amps 120V Coil |
| MB | M22 | 349932121 | IEC Contactor 9Amps 120V Coil |
| MB | M22 | 349932922 | IEC Link 9-32Amp Contactor to MMP |
| MB | M64 | 349932121 | IEC Contactor 9Amps 120V Coil |
| MB | M64 | 349932922 | IEC Link 9-32Amp Contactor to MMP |
| MB | M65 | 349932121 | IEC Contactor 9Amps 120V Coil |
| MB | MCB | 193407201 | Base Controller with IP |

| | | | |
|---|---|---|---|
| MB | MMP1 | 349938606 | IEC Manual Starter |
| MB | MMP1 | 349938701 | MMP Trip Ind brkk |
| MB | MMP1 | 349938801 | MMP Lug Kit 14ga-000ga 3 Lugs per |
| MB | MMP12 | 349934048 | IEC Man Starter rotary handle 32A |
| MB | MMP12 | 349933821 | IEC Man Starter accy front mount |
| MB | MMP2 | 349938606 | IEC Manual Starter |
| MB | MMP2 | 349938701 | MMP Trip Ind brkk |
| MB | MMP2 | 349938801 | MMP Lug Kit 14ga-000ga 3 Lugs per |
| MB | MMP22 | 349934048 | IEC Man Starter rotary handle 32A |
| MB | MMP22 | 349933821 | IEC Man Starter accy front mount |
| MB | MMP64 | 349934048 | IEC Man Starter rotary handle 32A |
| MB | OL11 | 349934658 | Overload Relay IEC Class 10 |
| MB | OL21 | 349934658 | Overload Relay IEC Class 10 |
| MB | PB11 | 030372721 | Distribution Power Terminal Brd 76 |
| MB | PB12 | 030372785 | Distribution Power Terminal Brd 42 |
| MB | PS1 | 001355000 | Switch Toggle SPST-20A 125va |
| MB | PS2 | 001355000 | Switch Toggle SPST-20A 125va |
| MB | R12 | 349934724 | DPDT Relay 10A 120VAC |
| MB | R12 | 349934822 | Relay Socket DPDT |
| MB | R26 | 349934722 | DPDT Relay 10A 24VAC |
| MB | R26 | 349934822 | Relay Socket DPDT |
| MB | RS6 | 349934724 | DPDT Relay 10A 120VAC |
| MB | RS6 | 349934822 | Relay Socket DPDT |
| MB | RS7 | 349934724 | DPDT Relay 10A 120VAC |
| MB | RS7 | 349934822 | Relay Socket DPDT |
| MB | R63 | 349934923 | 3PDT Relay 10A 120VAC |
| MB | R63 | 349935021 | Relay Socket 3PDT |
| MB | R64 | 349934724 | DPDT Relay 10A 120VAC |
| MB | R64 | 349934822 | Relay Socket DPDT |
| MB | RES4 | 044690151 | RESISTOR 1500 Ohm 1-8 Watt 1% Pr |
| MB | S1 | 001355000 | Switch Toggle SPST-20A 125va |
| MB | S4 | 028798400 | Switch Toggle 3position ON-OFF-O |
| MB | S7 | 193412101 | Switch Toggle 3position ON-ON S |
| MB | SPS1 | 910117462 | SENSOR, AIR PRESSURE/VELOCITY, 20IN |
| MB | SPS2 | 910117463 | SENSOR, AIR PRESSURE/VELOCITY, 05IN |
| MB | T1 | 038253957 | Transformer 1500VA 460-230V x 115 |
| MB | T2 | 349937303 | Transformers 75va 120V-24Vac |
| MB | T3 | 349937303 | Transformers 75va 120V-24Vac |
| MB | T6 | 349939808 | Transformer 2000VA 460-230V x 115 |
| MB | T66 | 349939807 | Transformer 1500VA 460-230V x 115 |
| MB | TD20 | 028210126 | Time delay relay 3sec delay-on ma |

[1] Note that all units will have a label similar to the one shown above pasted to the inside of the Control Box door. This label contains schematic designators, part descriptions, and Daikin Applied part numbers. The label shown above is for representative purposes only. Actual part numbers will vary depending upon unit options selected.

# Section N- Controls

## MicroTech III: Code 12= *E, *F, *W- 1/11 thru 5/13

## Main Control Box Common Components

| Sch. Sym. | Part Description | | Part Number | Qty. |
|---|---|---|---|---|
| | **Main Controller** | | | |
| MCB | Main Controller w/ HMI Display [1] | | 193407301 | 1 |
| | Terminal Block, MCB- 2 Pole | | 193410302 | 1 |
| | Terminal Block, MCB- 3 Pole | | 193410303 | 6 |
| | Terminal Block, MCB- 5 Pole | | 193410305 | 1 |
| | Terminal Block, MCB- 6 Pole | | 193410306 | 1 |
| | Terminal Block, MCB- 7 Pole | | 193410307 | 1 |
| | Terminal Block, MCB- 8 Pole | | 193410308 | 2 |
| | **Expansion Module** | | | |
| EXPA- D | Expansion Module | | 193407501 | [2] |
| | Board to Board Connector, 4 Pin [3] | | 193409701 | 1/board |
| | Terminal Block, Board to Wire Connector EXP- 2 Pole [3] | | 193410302 | 1/board |
| | Terminal Block, Board to Wire Connector EXP- 3 Pole [3] | | 193410303 | 1/board |
| | Terminal Block, Board to Wire Connector EXP- 7 Pole [3] | | 193410307 | 1/board |
| | Terminal Block, Board to Wire Connector EXP- 8 Pole [3] | | 193410308 | 2/board |
| | **Communication Card** | | | |
| COM | Bacnet- MSTP | (Code 12= BE, BF, BW) | 090016710 | 1 |
| | Bacnet- IP | (Code 12= EE, EF, EW) | 090016709 | 1 |
| | LonWorks- Discharge | (Code 12= LE, LW) | 090016712 | 1 |
| | LonWorks- Constant Volume | (Code 12= LF) | 090016711 | 1 |
| | **Resistors [4]** | | | |
| RES1 | Resistor- Refrigeration Circuit #1 | 1500 OHM | 044690151 | 1 |
| RES2 | Resistor- Refrigeration Circuit #2 | 1000 OHM | 044690110 | 1 |
| RES3 | Resistor- Freezestat (FS1) | 1000 OHM | 044690110 | 1 |
| RES4 | Resistor- OAE | 1500 OHM | 044690151 | 1 |
| RES6- 8 | Resistor- SPS1, SPS2, SPS3 | 500 OHM | 044690146 | 1/switch |
| | **Switches- Control** | | | |
| HS1 | Switch- Electric Heat Shutdown | (Code 04= E) | 802005045 | 1 |
| S1 | Switch- System On/Off | | | |
| | Gas Heat Units with no UV Lights | DPST/15A | 018446400 | 1 |
| | Gas Heat Units with UV Lights | 4PST/30A | 033536700 | 1 |
| | Electric, Steam, HW or No Heat with no UV Lights | SPST/20A | 802005045 | 1 |
| | Electric, Steam, HW or No Heat with UV Lights | DPST/15A | 018446400 | 1 |
| S4 | Switch- Inverter Bypass On/Off | DPST/15A | 028798400 | 1 |
| S7 | Switch- Local On/Auto/Off to Controller | SPDT/15A | 193412101 | 1 |
| | **Transformers** | | | |
| T2 | Transformer- Control | 120- 24V | 300041236 | 1 |
| T3 | Transformer- Control | 120- 24V | 300041236 | 1 |
| | **Duct Hi Limit and Duct Static Pressure Sensors** | | | |
| DHL | Duct Hi Limit Switch | | 065493801 | 1 |
| SPS1, 2 | Pressure Transducer Kit- Duct Sensor (9/11 & Earlier) [5, 6] | | 910124528 | [1] |
| | Pressure Transducer- Duct Sensor (10/11 thru 8/12) [5] | | 910117462 | [1] |
| | Pressure Transducer- Duct Sensor (9/12 thru 5/13) [5] | | 193552102 | [1] |
| | Pressure Transducer Kit- Space Sensor (9/11 & Earlier) [5, 6] | | 910124529 | [1] |
| | Pressure Transducer- Space Sensor (10/11 thru 8/12) [5] | | 910117463 | [1] |
| | Pressure Transducer- Space Sensor (9/12 thru 5/13) [5] | | 193552101 | [1] |

[1] The Main Controller must be programmed in order to function correctly. When ordering a replacement MCB, provide the unit model and serial number so the unit specific software code can be loaded before shipment.
[2] Quantity varies depending upon unit options selected.
[3] This part does NOT come with the Expansion Module; order separately if needed.
[4] Not Shown on diagram.
[5] SPS1 Duct Sensor Code 13= 1, 2, 3. SPS2 Duct Sensor Code 13= 2. SPS2 Space Sensor Code 13= 3, 4.
[6] As of 09/11 the original Pressure Transducer is no longer available. The Transducer Kit includes Transducer, Dinrail, Resistor, Sampling Tube, and Installation Instructions.

# Section N- Controls
## MicroTech III: Code 12= *E, *F, *W- 1/11 thru 5/13
## Main Control Box Common Components, Continued

| Sch. Sym. | Part Description | | Part Number | Qty. |
|---|---|---|---|---|
| | **Relays** | | | |
| R12 | Relay- Condenser Fan | | 349934724 | 1 |
| R13 | Relay- Condenser Fan [3] | | 349934724 | 1 |
| R14 | Relay- Condenser Fan [3] | | 349934724 | 1 |
| R20 | Relay- Heat | | 349934724 | 1 |
| R25 | Relay- Gas Heat, Start Supply Fan Inverter [3] (Code 14= 1, 2,3,5,6,7) | | 349934724 | 1 |
| R26 | Relay- Isolation Damper- Open/Close [3] | | 349934722 | 1 |
| R28 | Relay- Isolation Damper Safety | | 349934722 | 1 |
| R56, 57 | Relay- Sump Pump | | 349934724 | 2 |
| R63 | Relay- Duct Hi Limit | | | |
| | Units with Return Fan Inverter | 3PDT/120V | 349934923 | 1 |
| | Units with No Return Fan Inverter | DPDT/120V | 349934724 | 1 |
| R64 | Relay- Sump Pump | | 349934724 | 1 |
| | **Time Delays** | | | |
| TD3 | Time Delay- Hi Pressure [3] | 5 Sec. | 111056701 | 1 |
| TD4 | Time Delay- Hi Pressure [3] | 5 Sec. | 111056701 | 1 |
| TD20 | Time Delay- Return Air Fan | | 028210106 | 1 |
| | **Terminal Block** | | | |
| TB1 | Terminal Block | | 349930641 | [1] |
| | **Phase Voltage Monitor [3]** | | | |
| PVM | Phase Voltage Monitor | 208/230/460V | 112022001 | 1 |
| | Phase Voltage Monitor | 575V | 112022002 | 1 |
| | **Sensors/Switches** | | | |
| ZNT1 | Sensor- Zone Temperature w/ Tenant Override [3] | | 113117701 | 1 |
| | Sensor- Zone Temp. w/ Tenant Override & Remote Setpoint Adj. [2, 3] | | 113117801 | 1 |
| DAT | Sensor- Discharge Air Temperature [3] | | 193414602 | 1 |
| EFT | Sensor- Entering Air Temperature [3] | | 193414602 | 1 |
| OAT | Sensor- Outside Air Temperature [3] | | 193414602 | 1 |
| RAT | Sensor- Return Air Temperature [3] | | 193414602 | 1 |
| EAT | Sensor- Exhaust Air Temperature [3] | | 193414602 | 1 |
| LAT | Sensor- Leaving Air Temperature [3] | | 193414602 | 1 |
| | **Remote Display** | | | |
| KEYPAD | Remote Interface Display [4] | | 193408001 | 1 |

[1] Varies depending on unit options. Part number is for one individual section. Ground block is p/n 349930647.
[2] SCC Units only- Code 12= BF, LF, EF, SF.
[3] Not Shown on diagram.
[4] Used with Controller (MCB) w/o Display (HMI) p/n: 193407201.

# Section N- Controls
## MicroTech III: Code 12= *E, *F, *W- 1/11 thru 5/13
## Main Control Box Common Components, Continued

| Sch. Sym. | Part Description | | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|---|
| | | | | 208V | 230V | 460V | 575V |
| | **Transformer- Main** [1] | | | | | | |
| T1 | Transformer- Main Control | | | | | | |
| | Electric, Hydronic, No Heat | (Code 04= E, S, W, Y) | | | | | |
| | Units without UV Lights | | 038253975 | 1 | | | |
| | Units without UV Lights | | 038253957 | | 1 | 1 | |
| | Units without UV Lights | | 038253984 | | | | 1 |
| | Units with UV Lights | (Code 17 [Digit 2]= 1- 8) | 038253976 | 1 | | | |
| | Units with UV Lights | (Code 17 [Digit 2]= 1- 8) | 038253958 | | 1 | 1 | |
| | Units with UV Lights | (Code 17 [Digit 2]= 1- 8) | 038253985 | | | | 1 |
| | Gas Heat | Code 04= A | | | | | |
| | Units without UV Lights | | 038253976 | 1 | | | |
| | Units without UV Lights | | 038253958 | | 1 | 1 | |
| | Units without UV Lights | | 038253985 | | | | 1 |
| | Units with UV Lights | (Code 17 [Digit 2]= 1- 8) | 349939819 | 1 | | | |
| | Units with UV Lights | (Code 17 [Digit 2]= 1- 8) | 349939809 | | 1 | 1 | |
| | Units with UV Lights | (Code 17 [Digit 2]= 1- 8) | 349939829 | | | | 1 |
| | **Fuses- T1** | | | | | | |
| F1A,B | Fuse- T1 Transformer, Primary | | | | | | |
| | Electric, Hydronic, No Heat | (Code 04= E,S,W,Y) | | | | | |
| | Units without UV Lights | | 349937134 | 2 | | | |
| | Units without UV Lights | | 349937133 | | 2 | | |
| | Units without UV Lights | | 349937129 | | | 2 | |
| | Units without UV Lights | | 349937125 | | | | 2 |
| | Units with UV Lights | (Code 17 [Digit 2]= 1- 8) | 349937135 | 2 | 2 | | |
| | Units with UV Lights | (Code 17 [Digit 2]= 1- 8) | 349937131 | | | 2 | |
| | Units with UV Lights | (Code 17 [Digit 2]= 1- 8) | 349937129 | | | | 2 |
| | Gas Heat | (Code 04= A) | | | | | |
| | Units without UV Lights | | 349937135 | 2 | 2 | | |
| | Units without UV Lights | | 349937131 | | | 2 | |
| | Units without UV Lights | | 349937129 | | | | 2 |
| | Units with UV Lights | (Code 17 [Digit 2]= 1- 8) | 349937137 | 2 [3] | 2 [3] | | |
| | Units with UV Lights | (Code 17 [Digit 2]= 1- 8) | 349937133 | | | 2 [3] | |
| | Units with UV Lights | (Code 17 [Digit 2]= 1- 8) | 349937132 | | | | 2 [3] |
| F1C | Fuse- T1 Transformer, Secondary | | 349937038 [2] | 1 | 1 | 1 | 1 |
| | Fuse- T1 Transformer, Secondary | | 349937036 [2] | 1 | 1 | 1 | 1 |
| | Fuse- T1 Transformer, Secondary | | 349937035 [2] | 1 | 1 | 1 | 1 |
| | **Water Pump/Sump Heater Components** | | | | | | |
| M64 | Contactor- Water Pump | 9A | 349932121 | 1 | 1 | 1 | 1 |
| MMP64 | Motor Protector- Water Pump | 4- 5.9A | 349934049 | 1 | 1 | | |
| | Motor Protector- Water Pump | 2.5- 3.9A | 349934048 | | | 1 | |
| | Motor Protector- Water Pump | 1.6- 2.4A | 349934047 | | | | 1 |
| - | Spacer | | 349906501 | 2 | 2 | 2 | 2 |
| - | Link | | 349932922 | 1 | 1 | 1 | 1 |
| M65 | Contactor- Sump Heater | 25A | 349932321 | 1 | | | |
| | Contactor- Sump Heater | 18A | 349932123 | | 1 | | |
| | Contactor- Sump Heater | 9A | 349932121 | | | 1 | 1 |
| FB65 | Fuse Block- Sump Heater | | 023780222 | 1 | 1 | 1 | 1 |
| | Fuse | 25A | 349937136 | 2 | | | |
| | Fuse | 20A | 349937135 | | 2 | | |
| | Fuse | 12A | 349937132 | | | 2 | |
| | Fuse | 10A | 349937131 | | | | 2 |
| | Fuse Guard | | 349938227 | 2 | 2 | 2 | 2 |

[1] T1 Transformers also use Cover kit p/n 349955901 & Fuse Puller kit p/n 349955801 (not used on Transformer p/ns 349939819, 349939809, 349939829).

[2] Fuse depends on heat type and presence of UV lights. 349937038= Gas Heat Unit w/UV lights; 349937036= Gas Heat Unit with no UV lights OR Non-Gas Heat Unit with UV lights; 349937035= Non- Gas Heat Units with no UV lights.

[3] Fuses used on Gas Heat Unit w/UV lights also use Fuse Block p/n 023780231 & 3 Pullers p/n 349938227.

# Section N- Controls
## MicroTech III: Code 12= *E, *F, *W- 1/11 thru 5/13
## Main Control Box Common Components, Continued

| Sch. Sym. | Part Description | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|
| | | | 208V | 230V | 460V | 575V |
| | **Terminal Blocks** | | | | | |
| TB2, 7 | Terminal Block | 349930641 | [1] | [1] | [1] | [1] |
| TB3, 4 | Terminal Block | 349930641 | [2] | [2] | [2] | [2] |
| | **Fuses** | | | | | |
| F2, F3, F5 | Fuses [4] | | | | | |
| | Fuse Block | 023780223 | 1/fuse | 1/fuse | 1/fuse | 1/fuse |
| | Fuse Cover | 349938227 | 1/fuse | 1/fuse | 1/fuse | 1/fuse |
| F2 | Fuse- 2000+VA Transformer [4] | 349937035 | 1 | 1 | 1 | 1 |
| F3 | Fuse- Blower Motor [4] 200- 1500 mbh furnace | 349937035 | 1 | 1 | 1 | 1 |
| F3 | Fuse- Blower Motor [4] 2000 mbh furnace | 349937036 | 1 | 1 | 1 | 1 |
| F5 | Fuse- UV Lights [4] (Code 17 [Digit 2]= 1- 8) | 349937032 | 1 | 1 | 1 | 1 |
| F11- 23 | Fuse Blocks- Condenser Fan | 023780233 | 1/fan | 1/fan | 1/fan | 1/fan |
| | Fuse- Condenser Fan | 042753109 | 1/fan | 1/fan | 1/fan | 1/fan |
| | Fuse Cover/Puller- Condenser Fan | 349938227 | 1/fuse | 1/fuse | 1/fuse | 1/fuse |
| | **Power Blocks** | | | | | |
| PB1, PB2 | Power Block- Main [4] (Code 11= P1, Q1) | | | | | |
| | Power Block, Non- Electric Heat Units- 175A [3] | 030372776 | 1 | 1 | 1 | 1 |
| | Power Block, Electric Heat Units- 175A [3] | 030372780 | 1 | 1 | 1 | 1 |
| | Lug- 175A Block | 349938001 | 1 | 1 | 1 | 1 |
| | Power Block, Non- Electric Heat Units- 255A [3] | 030372778 | 1 | 1 | 1 | 1 |
| | Lug- 255A Block | 349938001 | 1 | 1 | 1 | 1 |
| | Power Block, Non- Electric Heat Units- 380A [3] | 030372779 | 1 | 1 | 1 | 1 |
| | Power Block, Electric Heat- 380A [3] | 030372782 | 1 | 1 | 1 | 1 |
| | Lug- 380A Block | 349938002 | 1 | 1 | 1 | 1 |
| | Power Block, Non- Electric Heat Units- 620A [3] | 030372701 | 1 | 1 | 1 | 1 |
| | Cover- 620A Block | 349938345 | 3 | 3 | 3 | 3 |
| | Lug- 620A Block | 349938002 | 1 | 1 | 1 | 1 |
| | Power Block, Non- Electric Heat Units- 760A [3] | 030372760 | 1 | 1 | 1 | 1 |
| | Power Block, Electric Heat Units, 208/230V- 760A [3] | 030372772 | 1 | 1 | | |
| | Power Block, Electric Heat Units, 460/575V- 760A [3] | 030372760 | | | 1 | 1 |
| | Cover- 760A Block | 349938345 | 3 | 3 | 3 | 3 |
| | Lug- 760A Block | 349938003 | 1 | 1 | 1 | 1 |
| | Power Block, Non- Electric Heat Units- 840A [3] | 030372724 | 1 | 1 | 1 | 1 |
| | Cover- 840A Block | 349938345 | 3 | 3 | 3 | 3 |
| | Lug- 840A Block | 349938003 | 1 | 1 | 1 | 1 |
| PB11 | Power Block- Power Distribution [3] | | | | | |
| | Power Block- 420A | 030372785 | 1 | 1 | 1 | 1 |
| | Power Block- 760A | 030372721 | 1 | 1 | 1 | 1 |
| | Cover- 760A Block | 349938345 | 1 | 1 | 1 | 1 |

[1] Varies depending on unit options. Part number is for one individual section. Ground Block is p/n 349930647.
[2] Varies depending on unit options. Part number is for one individual section. When required, Jumpers are p/n 349930922 (2 pole), 349930923 (3 pole), 349930924 (4 pole), 349930925 (5 pole).
[3] Any of the listed parts may be used, depending on unit options. Check installed part to verify, or contact Daikin Applied with unit serial and GO number to ensure correct replacement is selected. PB2 is installed when Code 11= Q1.
[4] Not shown on diagram.

# Section N- Controls
## MicroTech III: Code 12= *E, *F, *W- 1/11 thru 5/13
## Main Control Box Common Components, Continued

| Sch. Sym. | Part Description | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|
| | | | 208V | 230V | 460V | 575V |
| | **Power Blocks, continued** [4] | | | | | |
| PB12 | Power Block- Power Distribution (Code 04= E) | | | | | |
| | 20, 40 KW Electric Heat | 030372777 | 1 | 1 | 1 | 1 |
| | 60, 80, 100, 120 KW Electric Heat | 030372785 | 1 | 1 | | |
| | 60, 80, 100, 120 KW Electric Heat | 030372777 | | | 1 | 1 |
| | 160, 200, 240, 280, 320 KW Electric Heat | 030372785 | | | 1 | 1 |
| PB10 | Power Block- Supply Fan (Code 15= F) | 030372776 | 1 | 1 | 1 | 1 |
| PB20 | Power Block- Return Fan (Code 15= F) | 030372776 | 1 | 1 | 1 | 1 |
| | **Receptacles** [4] | | | | | |
| REC1 | Receptacle | 039003600 | 1 | 1 | 1 | 1 |
| | **Disconnect Switches** [4] | | | | | |
| DS1 | Disconnect Switch- Main<br>Gas, Steam, HW or No Heat (Code 04= A, S, W, Y) | | | | | |
| | Switch- 100A [1] | 349935125 | 1 | 1 | 1 | 1 |
| | Handle Kit | 349935521 | 1 | 1 | 1 | 1 |
| | Shaft | 349962204 | 1 | 1 | 1 | 1 |
| | Ground Lug | 349938001 | 1 | 1 | 1 | 1 |
| | Switch- 150A [1] | 349935126 | 1 | 1 | 1 | 1 |
| | Handle Kit (with operating mechanism) | 349935532 | 1 | 1 | 1 | 1 |
| | Shaft | 349962205 | 1 | 1 | 1 | 1 |
| | Ground Lug | 349938001 | 1 | 1 | 1 | 1 |
| | Switch- 250A [1] | 349935226 | 1 | 1 | 1 | 1 |
| | Handle Kit (with operating mechanism) | 349935532 | 1 | 1 | 1 | 1 |
| | Shaft | 349962205 | 1 | 1 | 1 | 1 |
| | Ground Lug | 349938002 | 1 | 1 | 1 | 1 |
| | Switch- 400A [1] | 349935325 | 1 | 1 | 1 | 1 |
| | Handle Kit (with operating mechanism) | 349935621 | 1 | 1 | 1 | 1 |
| | Shaft | 349962206 | 1 | 1 | 1 | 1 |
| | Ground Lug | 349938002 | 1 | 1 | 1 | 1 |
| | Switch- 600A [1, 2, 3] | 193438205 | 1 | 1 | 1 | 1 |
| | Handle | 349961102 | 1 | 1 | 1 | 1 |
| | Operating Mechanism [3] | 193455001 | 1 | 1 | 1 | 1 |
| | Shaft | 349961301 | 1 | 1 | 1 | 1 |
| | Shaft- Mod [3] | 349962207 | 1 | 1 | 1 | 1 |
| | Ground Lug | 349938002 | 1 | 1 | 1 | 1 |
| | Switch- 800A [1, 3] | 193438201 | 1 | 1 | 1 | 1 |
| | Handle | 349961102 | 1 | 1 | 1 | 1 |
| | Operating Mechanism [3] | 193455001 | 1 | 1 | 1 | 1 |
| | Shaft | 349961301 | 1 | 1 | 1 | 1 |
| | Shaft- Mod [3] | 349962242 | 1 | 1 | 1 | 1 |
| | Ground Lug | 349938003 | 1 | 1 | 1 | 1 |
| | Switch- 1000A [1, 3] | 193438206 | 1 | 1 | 1 | 1 |
| | Handle | 349961102 | 1 | 1 | 1 | 1 |
| | Operating Mechanism [3] | 193455001 | 1 | 1 | 1 | 1 |
| | Shaft | 349961301 | 1 | 1 | 1 | 1 |
| | Shaft- Mod [3] | 349962242 | 1 | 1 | 1 | 1 |
| | Ground Lug | 349938003 | 1 | 1 | 1 | 1 |

[1] Any of the listed Disconnects may be used, depending on unit options. Check installed part to verify, or contact Daikin Applied with unit serial and GO number to ensure correct replacement is selected.
[2] The 600A switch listed is used on units with one Disconnect or two Disconnects EH/balance of unit (Code 11= A2, B2). If unit has two Disconnects where the second Disconnect controls the fans (Code 11= C2) or 3 Disconnects (Code 11= D2) then use Switch p/n 193438002, Handle kit p/n 193437901, Shaft p/n 349962233, and Ground Lug p/n 349938002.
[3] Note that the original Disconnect is obsolete. If replacing an original part, due to dimensional differences, minor field modifications may be required for proper installation.
[4] Not shown on diagram.

# Section N- Controls
## MicroTech III: Code 12= *E, *F, *W- 1/11 thru 5/13
## Main Control Box Common Components, Continued

| Sch. Sym. | Part Description | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|
| | | | 208V | 230V | 460V | 575V |
| | **Disconnect Switches, continued** | | | | | |
| DS1 | Disconnect Switch- Main Electric Heat (Code 04= E) units | | | | | |
| | Switch- 100A [1] | 349935121 | 1 | 1 | 1 | 1 |
| | Handle Kit | 349935521 | 1 | 1 | 1 | 1 |
| | Shaft | 349962204 | 1 | 1 | 1 | 1 |
| | Ground Lug | 349938001 | 1 | 1 | 1 | 1 |
| | Load Lug | 349956101 | 1 | 1 | 1 | 1 |
| | Cover- Load Lug | 349957003 | 1 | 1 | 1 | 1 |
| | Switch- 150A [1] | 349935122 | 1 | 1 | 1 | 1 |
| | Handle Kit | 349935532 | 1 | 1 | 1 | 1 |
| | Shaft | 349962205 | 1 | 1 | 1 | 1 |
| | Ground Lug | 349938001 | 1 | 1 | 1 | 1 |
| | Load Lug | 349956202 | 1 | 1 | 1 | 1 |
| | Cover- Load Lug | 349957001 | 1 | 1 | 1 | 1 |
| | Switch- 250A [1] | 349935222 | 1 | 1 | 1 | 1 |
| | Handle Kit | 349935532 | 1 | 1 | 1 | 1 |
| | Shaft | 349962205 | 1 | 1 | 1 | 1 |
| | Ground Lug | 349938001 | 1 | 1 | 1 | 1 |
| | Load Lug | 349956302 | 1 | 1 | 1 | 1 |
| | Cover- Load Lug | 349957002 | 1 | 1 | 1 | 1 |
| | Switch- 400A [1] | 349935325 | 1 | 1 | 1 | 1 |
| | Handle Kit | 349935621 | 1 | 1 | 1 | 1 |
| | Shaft | 349962206 | 1 | 1 | 1 | 1 |
| | Ground Lug | 349938002 | 1 | 1 | 1 | 1 |
| | Switch- 600A [1, 2, 3] | 193438205 | 1 | 1 | 1 | 1 |
| | Handle | 349961102 | 1 | 1 | 1 | 1 |
| | Operating Mechanism [3] | 193455001 | 1 | 1 | 1 | 1 |
| | Shaft | 349961301 | 1 | 1 | 1 | 1 |
| | Shaft- Mod [3] | 349962207 | 1 | 1 | 1 | 1 |
| | Ground Lug | 349938002 | 1 | 1 | 1 | 1 |
| | Switch- 800A [1, 3] | 193438201 | 1 | 1 | 1 | 1 |
| | Handle | 349961102 | 1 | 1 | 1 | 1 |
| | Operating Mechanism [3] | 193455001 | 1 | 1 | 1 | 1 |
| | Shaft | 349961301 | 1 | 1 | 1 | 1 |
| | Shaft- Mod [3] | 349962242 | 1 | 1 | 1 | 1 |
| | Ground Lug | 349938003 | 1 | 1 | 1 | 1 |
| | Switch- 1000A [1, 3] | 193438206 | 1 | 1 | 1 | 1 |
| | Handle | 349961102 | 1 | 1 | 1 | 1 |
| | Operating Mechanism [3] | 193455001 | 1 | 1 | 1 | 1 |
| | Shaft | 349961301 | 1 | 1 | 1 | 1 |
| | Shaft- Mod [3] | 349962242 | 1 | 1 | 1 | 1 |
| | Ground Lug | 349938003 | 1 | 1 | 1 | 1 |

[1] Any of the listed Disconnects may be used, depending on unit options. Check installed part to verify, or contact Daikin Applied with unit serial and GO number to ensure correct replacement is selected.

[2] The 600A Switch listed is used on units with one Disconnect or two Disconnects EH/balance of unit (Code 11= A2, B2). If unit has two Disconnects where the second Disconnect controls the fans (Code 11= C2) or 3 Disconnects (Code 11= D2) then use Switch p/n 193438002, Handle kit p/n 193437901, Shaft p/n 349962233, and Ground Lug p/n 349938002.

[3] Note that the original Disconnect is obsolete. If replacing an original part, due to dimensional differences, minor field modifications may be required for proper installation.

# Section N- Controls
## MicroTech III: Code 12= *E, *F, *W- 1/11 thru 5/13
## Main Control Box Common Components, Continued

| Sch. Sym. | Part Description | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|
| | | | 208V | 230V | 460V | 575V |
| | **Disconnect Switches, continued** | | | | | |
| DS2 | Disconnect Switch- SAF/RAF (Code 11= C2, D2) | | | | | |
| | Switch- 100A [1] | 349935121 | 1 | 1 | 1 | 1 |
| | Handle Kit | 349935521 | 1 | 1 | 1 | 1 |
| | Shaft | 349962204 | 1 | 1 | 1 | 1 |
| | Ground Lug | 349938001 | 1 | 1 | 1 | 1 |
| | Load Lug | 349956101 | 1 | 1 | 1 | 1 |
| | Cover- Load Lug | 349957003 | 1 | 1 | 1 | 1 |
| | Switch- 150A [1] | 349935122 | 1 | 1 | 1 | 1 |
| | Handle Kit | 349935532 | 1 | 1 | 1 | 1 |
| | Shaft | 349962205 | 1 | 1 | 1 | 1 |
| | Ground Lug | 349938001 | 1 | 1 | 1 | 1 |
| | Load Lug | 349956202 | 1 | 1 | 1 | 1 |
| | Cover- Load Lug | 349957001 | 1 | 1 | 1 | 1 |
| | Switch- 250A [1] | 349935222 | 1 | 1 | 1 | 1 |
| | Handle Kit | 349935532 | 1 | 1 | 1 | 1 |
| | Shaft | 349962205 | 1 | 1 | 1 | 1 |
| | Ground Lug | 349938001 | 1 | 1 | 1 | 1 |
| | Load Lug | 349956302 | 1 | 1 | 1 | 1 |
| | Cover- Load Lug | 349957002 | 1 | 1 | 1 | 1 |
| | Switch- 400A [1] | 349935321 | 1 | 1 | 1 | 1 |
| | Handle Kit | 349935621 | 1 | 1 | 1 | 1 |
| | Shaft | 349962206 | 1 | 1 | 1 | 1 |
| | Ground Lug | 349938002 | 1 | 1 | 1 | 1 |
| | Load Lug | 349956401 | 3 | 3 | 3 | 3 |
| | Cover- Load Lug | 349957004 | 1 | 1 | 1 | 1 |

[1] Any of the listed Disconnects may be used, depending on unit options. Check installed part to verify, or contact Daikin Applied with unit serial and GO number to ensure correct replacement is selected.

# Section N- Controls

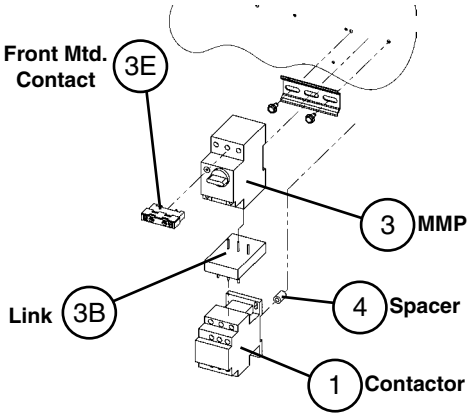
## MicroTech III: Code 12= *E, *F, *W- 1/11 thru 5/13
## Supply Fan CB10, and Return Fan CB20 Circuit Breaker

| Sch. Sym. | Part Description | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|
| | | | 208V | 230V | 460V | 575V |
| | **Circuit Breakers- Supply & Return Fan** | | | | | |
| CB10<br>CB20 | Circuit Breaker- Supply Fan<br>Circuit Breaker- Return Fan | | | | | |
| | Motor HP= 5, 7.5, 10 | 349939601 | | | | 1 |
| | Motor HP= 5 | 349939622 | 1 | 1 | | |
| | Motor HP= 5, 7.5 | 349939621 | | | 1 | |
| | Motor HP= 7.5 | 349939624 | 1 | 1 | | |
| | Motor HP= 10 | 349939626 | 1 | 1 | | |
| | Motor HP= 10 | 349939622 | | | 1 | |
| | Motor HP= 15 | 349939629 | 1 | 1 | | |
| | Motor HP= 15 | 349939624 | | | 1 | |
| | Motor HP= 15, 20 | 349939604 | | | | 1 |
| | Motor HP= 20 | 349939631 | 1 | | | |
| | Motor HP= 20 | 349939630 | | 1 | | |
| | Motor HP= 20, 25 | 349939626 | | | 1 | |
| | Motor HP= 25 | 349939632 | 1 | | | |
| | Motor HP= 25 | 349939631 | | 1 | | |
| | Motor HP= 25, 30 | 349939606 | | | | 1 |
| | Motor HP= 30 | 349939701 | 1 | | | |
| | Motor HP= 30 | 349939633 | | 1 | | |
| | Motor HP= 30 | 349939628 | | | 1 | |
| | Motor HP= 40 | 349939703 | 1 | 1 | | |
| | Motor HP= 40 | 349939630 | | | 1 | |
| | Motor HP= 40 | 349939608 | | | | 1 |
| | Motor HP= 50 | 349939631 | | | 1 | |
| | Motor HP= 50 | 349939610 | | | | 1 |
| | Motor HP= 60 | 349939632 | | | 1 | |
| | Motor HP= 60 | 349939611 | | | | 1 |
| | Motor HP= 75 | 349939701 | | | 1 | |
| | **Plugs** [1] | | | | | |
| [2] | 4 Pin Plug | 349930201 | varies | varies | varies | varies |
| [3] | 6 Pin Plug | 349930403 | varies | varies | varies | varies |
| [4] | 12 Pin Plug | 349930405 | varies | varies | varies | varies |
| [5] | 3 Pin Cap Kit | 349930501 | varies | varies | varies | varies |
| [6] | 6 Pin Cap Kit | 349930503 | varies | varies | varies | varies |
| [7] | 9 Pin Cap Kit | 349930504 | varies | varies | varies | varies |
| [8] | 15 Pin Cap Kit | 349930506 | varies | varies | varies | varies |

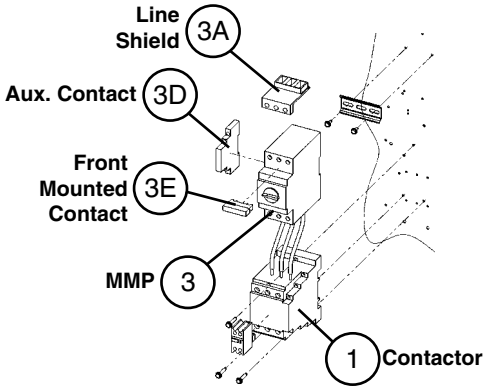
[1] All possible Plugs used are listed. Check installed part to verify. Not shown on diagram.
[2] Used for PL1, PL, 2, PL3, PL4, PL5, PL6, PL22,PL23, PL24, PL37, PL38.
[3] Used with Strain Relief (p/n 300041173) & 6 Pin Cap Kit (p/n 349930503). Used for PL20, PL21.
[4] Used for PL11, PL12, PL25, PL26, PL27, PL28, PL29, PL30 (PL11 & 12 also use Strain Relief p/n 300041175 & Cap Kit p/n 349930505).
[5] Used for PL16, PL17, PL31, PL32, PL33, PL34, PL39, PL40, PL41, PL42.
[6] Used for PL9, PL10.
[7] Used for PL18, PL19, PL35, PL36, PL43.
[8] Used for PL7, PL8.

# Section N- Controls

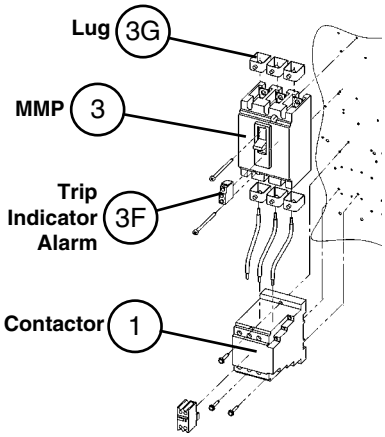
## MicroTech III: Code 12= *E, *F, *W- 1/11 thru 5/13
## Supply MMP10 Motor Protector, M10 Fan Contactor &
## Return MMP20 Motor Protector, M20 Fan Contactor
## Diagrams [1]



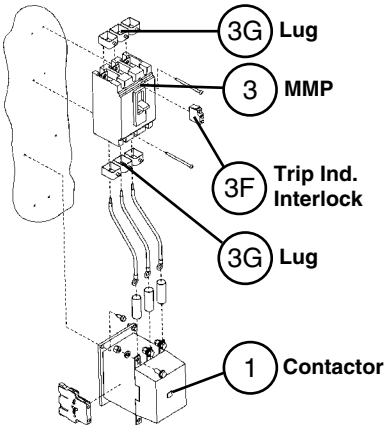

**MMP10 & M10 Link Detail**
**MMP20 & M20 Link Detail**
**3- 10 HP Motors- All Voltages**
**15, 20 HP Motor- 460/575V**
**25, 30 HP Motors- 575V**




**MMP10 & M10 Link Detail**
**MMP20 & M20 Link Detail**
**15, 20 HP Motors- 208/230V**
**25 HP Motors- 230/460V**
**30 HP Motors- 460V**
**40 HP Motors- 460/575V**
**50 HP Motors- 460/575V**
**60HP Motors- 575V**




**MMP10 & M10 Link Detail**
**MMP20 & M20 Link Detail**
**25 HP Motors- 208V**
**30, 40 HP Motors- 208/230V**
**50 HP Motor- 230V**
**60HP Motors- 460V**
**75 HP Motors- 460/575V**




**MMP10 & M10 Link Detail**
**50HP Motors- 208V**
**60HP Motors- 208/230V**

[1] The above diagrams show ALL possible parts. Not every part shown applies to every unit size/voltage combination.

# Section N- Controls

## MicroTech III: Code 12= *E, *F, *W- 1/11 thru 5/13 Supply MMP10 Motor Protector, M10 Fan Contactor & Return MMP20 Motor Protector, M20 Fan Contactor Components

### 3 HP Motor- Code 22= H**

| Ref. No. | Sch. Sym. | Part Description | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|---|
| | | | | 208V | 230V | 460V | 575V |
| 1 | M20 | Contactor- Return Fan | 349932122 | 1 | 1 | | |
| | | Contactor- Return Fan | 349932121 | | | 1 | 1 |
| 3 | MMP20 | MMP- Return Fan | 349934050 | 1 | 1 | | |
| | | MMP- Return Fan | 349934049 | | | 1 | |
| | | MMP- Return Fan | 349934048 | | | | 1 |
| 3B | | Link | 349932922 | 1 | 1 | 1 | 1 |
| 3E | | Aux. Contact- 1 NO OR NC | 349933821 | 1 | 1 | 1 | 1 |
| 4 | | Spacer | 349906501 | 1 | 1 | 1 | 1 |

### 5 HP Motor- Code 22 OR 32= J**

| Ref. No. | Sch. Sym. | Part Description | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|---|
| | | | | 208V | 230V | 460V | 575V |
| 1 | M10, 20 | Contactor- Supply (M10) OR Return (M20) Fan | 349932123 | 1 | 1 | | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 349932121 | | | 1 | 1 |
| 3 | MMP10, 20 | MMP- Supply (MMP10) OR Return (MMP20) Fan | 349934052 | 1 | | | |
| | | MMP- Supply (MMP10) OR Return (MMP20) Fan | 349934051 | | 1 | | |
| | | MMP- Supply (MMP10) OR Return (MMP20) Fan | 349934050 | | | 1 | |
| | | MMP- Supply (MMP10) OR Return (MMP20) Fan | 349934049 | | | | 1 |
| 3B | | Link | 349932922 | 1 | 1 | 1 | 1 |
| 3E | | Aux. Contact- 1 NO OR NC | 349933821 | 1 | 1 | 1 | 1 |
| 4 | | Spacer | 349906501 | 1 | 1 | 1 | 1 |

### 7.5 HP Motor- Code 22 OR 32= K**

| Ref. No. | Sch. Sym. | Part Description | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|---|
| | | | | 208V | 230V | 460V | 575V |
| 1 | M10, 20 | Contactor- Supply (M10) OR Return (M20) Fan | 349932321 | 1 | 1 | | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 349932122 | | | 1 | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 349932121 | | | | 1 |
| 3 | MMP10, 20 | MMP- Supply (MMP10) OR Return (MMP20) Fan | 349934053 | 1 | 1 | | |
| | | MMP- Supply (MMP10) OR Return (MMP20) Fan | 349934051 | | | 1 | |
| | | MMP- Supply (MMP10) OR Return (MMP20) Fan | 349934050 | | | | 1 |
| 3B | | Link | 349932922 | 1 | 1 | 1 | 1 |
| 3E | | Aux. Contact- 1 NO OR NC | 349933821 | 1 | 1 | 1 | 1 |
| 4 | | Spacer | 349906501 | 1 | 1 | 1 | 1 |

# Section N- Controls

## MicroTech III: Code 12= *E, *F, *W- 1/11 thru 5/13 Supply MMP10 Motor Protector, M10 Fan Contactor & Return MMP20 Motor Protector, M20 Fan Contactor Components, Continued

**10 HP Motor- Code 22 OR 32= L****

| Ref. No. | Sch. Sym. | Part Description | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|---|
| | | | | 208V | 230V | 460V | 575V |
| 1 | M10, 20 | Contactor- Supply (M10) OR Return (M20) Fan | 349932322 | 1 | 1 | | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 349932123 | | | 1 | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 349932122 | | | | 1 |
| 3 | MMP10, 20 | MMP- Supply (MMP10) OR Return (MMP20) Fan | 349934055 | 1 | 1 | | |
| | | MMP- Supply (MMP10) OR Return (MMP20) Fan | 349934051 | | | 1 | 1 |
| 3B | | Link | 349932922 | 1 | 1 | 1 | 1 |
| 3E | | Aux. Contact- 1 NO OR NC | 349933821 | 1 | 1 | 1 | 1 |
| 4 | | Spacer | 349906501 | 1 | 1 | 1 | 1 |

**15 HP Motor- Code 22 OR 32= M****

| Ref. No. | Sch. Sym. | Part Description | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|---|
| | | | | 208V | 230V | 460V | 575V |
| 1 | M10, 20 | Contactor- Supply (M10) OR Return (M20) Fan | 349932522 | 1 | 1 | | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 349932321 | | | 1 | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 349932123 | | | | 1 |
| 3 | MMP10, 20 | MMP- Supply (M10) OR Return (M20) Fan | 349934148 | 1 | | | |
| | | MMP- Supply (M10) OR Return (M20) Fan | 349934147 | | 1 | | |
| | | MMP- Supply (M10) OR Return (M20) Fan | 349934053 | | | 1 | |
| | | MMP- Supply (M10) OR Return (M20) Fan | 349934052 | | | | 1 |
| 3B | | Link | 349932922 | | | 1 | 1 |
| 3E | | Aux. Contact- 1 NO OR NC | 349933821 | 1 | 1 | 1 | 1 |
| 4 | | Spacer | 349906501 | | | 1 | 1 |

**20 HP Motor- Code 22 OR 32= N****

| Ref. No. | Sch. Sym. | Part Description | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|---|
| | | | | 208V | 230V | 460V | 575V |
| 1 | M10, 20 | Contactor- Supply (M10) OR Return (M20) Fan | 349932523 | 1 | 1 | | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 349932322 | | | 1 | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 349932321 | | | | 1 |
| 3 | MMP10, 20 | MMP- Supply (M10) OR Return (M20) Fan | 349934149 | 1 | | | |
| | | MMP- Supply (M10) OR Return (M20) Fan | 349934148 | | 1 | | |
| | | MMP- Supply (M10) OR Return (M20) Fan | 349934054 | | | 1 | |
| | | MMP- Supply (M10) OR Return (M20) Fan | 349934053 | | | | 1 |
| 3B | | Link | 349932922 | | | 1 | 1 |
| 3E | | Aux. Contact- 1 NO OR NC | 349933821 | 1 | 1 | 1 | 1 |
| 4 | | Spacer | 349906501 | | | 1 | 1 |

# Section N- Controls

## MicroTech III: Code 12= *E, *F, *W- 1/11 thru 5/13 Supply MMP10 Motor Protector, M10 Fan Contactor & Return MMP20 Motor Protector, M20 Fan Contactor Components, Continued

**25 HP Motor- Code 22 OR 32= P****

| Ref. No. | Sch. Sym. | Part Description | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|---|
| | | | | 208V | 230V | 460V | 575V |
| 1 | M10, 20 | Contactor- Supply (M10) OR Return (M20) Fan | 349932621 | 1 | 1 | | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 349932521 | | | 1 | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 349932322 | | | | 1 |
| 3 | MMP10, 20 | MMP- Supply (M10) OR Return (M20) Fan | 349938606 | 1 | | | |
| | | MMP- Supply (M10) OR Return (M20) Fan | 349934149 | | 1 | | |
| | | MMP- Supply (M10) OR Return (M20) Fan | 349934055 | | | 1 | |
| | | MMP- Supply (M10) OR Return (M20) Fan | 349934054 | | | | 1 |
| 3B | | Link | 349932922 | | | | 1 |
| 3E | | Aux. Contact- 1NO or NC | 349933821 | | 1 | 1 | 1 |
| 3F | | Trip Indicator Alarm | 349938701 | 1 | | | |
| 3G | | Lug (3 per kit) | 349938801 | 2 | | | |

**30 HP Motor- Code 22 OR 32= Q****

| Ref. No. | Sch. Sym. | Part Description | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|---|
| | | | | 208V | 230V | 460V | 575V |
| 1 | M10, 20 | Contactor- Supply (M10) OR Return (M20) Fan | 349932721 | 1 | | | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 349932621 | | 1 | | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 349932521 | | | 1 | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 349932322 | | | | 1 |
| 3 | MMP10, 20 | MMP- Supply (M10) OR Return (M20) Fan | 349938606 | 1 | 1 | | |
| | | MMP- Supply (M10) OR Return (M20) Fan | 349934147 | | | 1 | |
| | | MMP- Supply (M10) OR Return (M20) Fan | 349934055 | | | | 1 |
| 3B | | Link | 349932922 | | | | 1 |
| 3E | | Aux. Contact- 1NO or NC | 349933821 | | | 1 | 1 |
| 3F | | Trip Indicator Alarm | 349938701 | 1 | 1 | | |
| 3G | | Lug (3 per kit) | 349938801 | 2 | 2 | | |
| 4 | | Spacer | 349906501 | | | | 1 |

# Section N- Controls

## MicroTech III: Code 12= *E, *F, *W- 1/11 thru 5/13 Supply MMP10 Motor Protector, M10 Fan Contactor & Return MMP20 Motor Protector, M20 Fan Contactor Components, Continued

### 40 HP Motor- Code 22 OR 32= R**

| Ref. No. | Sch. Sym. | Part Description | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|---|
| | | | | 208V | 230V | 460V | 575V |
| 1 | M10, 20 | Contactor- Supply (M10) OR Return (M20) Fan | 349932722 | 1 | | | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 349932721 | | 1 | | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 349932522 | | | 1 | 1 |
| 3 | MMP10, 20 | MMP- Supply (M10) OR Return (M20) Fan | 349938607 | 1 | | | |
| | | MMP- Supply (M10) OR Return (M20) Fan | 349938606 | | 1 | | |
| | | MMP- Supply (M10) OR Return (M20) Fan | 349934148 | | | 1 | |
| | | MMP- Supply (M10) OR Return (M20) Fan | 349934147 | | | | 1 |
| 3E | | Aux. Contact- 1NO or NC | 349933821 | | | 1 | 1 |
| 3F | | Trip Indicator Alarm | 349938701 | 1 | 1 | | |
| 3G | | Lug (3 per kit) | 349938801 | 1[1] | 1[1] | | |

[1] Also requires 3 field supplied ring terminals.

### 50 HP Motor- Code 22 OR 32= S**

| Ref. No. | Sch. Sym. | Part Description | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|---|
| | | | | 208V | 230V | 460V | 575V |
| 1 | M10, 20 | Contactor- Supply (M10) OR Return (M20) Fan | 349932702 | 1 | | | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 349932722 | | 1 | | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 349932621 | | | 1 | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 349932523 | | | | 1 |
| 3 | MMP10, 20 | MMP- Supply (M10) OR Return (M20) Fan | 349938607 | 1 | 1 | | |
| | | MMP- Supply (M10) OR Return (M20) Fan | 349934149 | | | 1 | |
| 3E | | MMP- Supply (M10) OR Return (M20) Fan | 349934148 | | | | 1 |
| 3E | | Aux. Contact- 1NO or NC | 349933821 | | | 1 | 1 |
| 3F | | Trip Indicator Alarm | 349938701 | 1 | 1 | | |
| 3G | | Lug (3 per kit) | 349938801 | 1[2] | 1[2] | | |

[2] Also requires 3 field supplied ring terminals.

# Section N- Controls

## MicroTech III: Code 12= *E, *F, *W- 1/11 thru 5/13 Supply MMP10 Motor Protector, M10 Fan Contactor & Return MMP20 Motor Protector, M20 Fan Contactor Components, Continued

### 60 HP Motor- Code 22 OR 32= T**

| Ref. No. | Sch. Sym. | Part Description | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|---|
| | | | | 208V | 230V | 460V | 575V |
| 1 | M10, 20 | Contactor- Supply (M10) OR Return (M20) Fan | 349932702 | 1 | 1 | | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 349932621 | | | 1 | 1 |
| 3 | MMP10, 20 | MMP- Supply (M10) OR Return (M20) Fan | 349938608 | 1 | | | |
| | | MMP- Supply (M10) OR Return (M20) Fan | 349938607 | | 1 | | |
| | | MMP- Supply (M10) OR Return (M20) Fan | 349938606 | | | 1 | |
| | | MMP- Supply (M10) OR Return (M20) Fan | 349934149 | | | | 1 |
| 3E | | Aux. Contact- 1NO or NC | 349933821 | | | | 1 |
| 3F | | Trip Indicator Alarm | 349938701 | 1 | 1 | 1 | |
| 3G | | Lug (3 per kit) | 349938802 | 2[1] | 1[1] | | |
| | | Lug (3 per kit) | 349938801 | | | 2 | |

[1] Also requires 3 field supplied ring terminals PER kit.

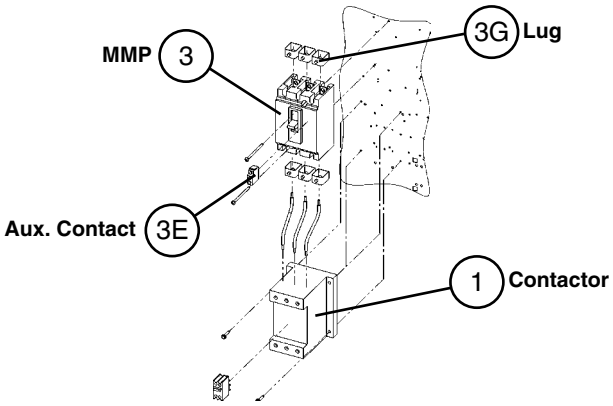
### 75 HP Motor- Code 32= U**

| Ref. No. | Sch. Sym. | Part Description | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|---|
| | | | | 208V | 230V | 460V | 575V |
| 1 | M10 | Contactor- Supply Fan | 349932721 | | | 1 | 1 |
| 3 | MMP10 | MMP- Supply Fan | 349938606 | | | 1 | 1 |
| 3F | | Trip Indicator Alarm | 349938701 | | | 1 | 1 |
| 3G | | Lug | 349938801 | | | 2 | 2 |

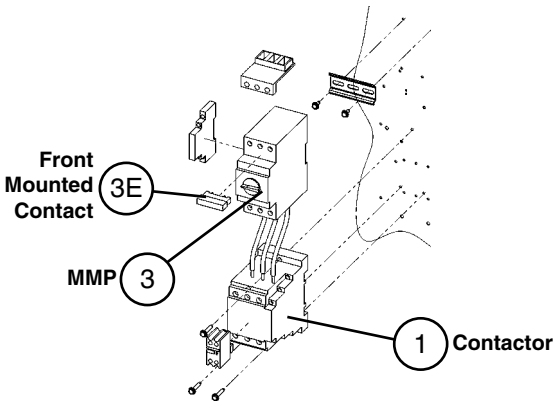
# Section N- Controls

## MicroTech III: Code 12= *E, *F, *W- 1/11 thru 5/13

## Compressor MMP1- 4 and Contactor M1- 4 [1]




**MMP1- 2 & M1- 2 Link Detail**
**076C- 208/230V**
**089C, 100C- 208/230/460V**




**MMP1- 2 & M1- 2 Link Detail**
**076C- 460/575V**
**089C, 100C- 575V**

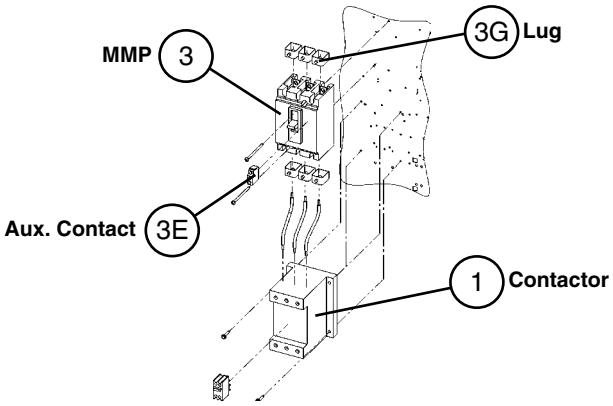
| Ref. No. | Sch. Sym. | Part Description | Part Number | Unit Size | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 076 | | | | 089 | | | | 100 | | | |
| | | | | 208V | 230V | 460V | 575V | 208V | 230V | 460V | 575V | 208V | 230V | 460V | 575V |
| | | **Compressor Contactors & Parts** | | | | | | | | | | | | | |
| 1 | M1, 2 | Contactor | [3] | | | | | | | | | [3] | [3] | | |
| | | Contactor 150A | 349932722 | 2 | 2 | | | 2 | 2 | | | | | | |
| | | Contactor 115A | 349932721 | | | | | | | | | | | 2 | |
| | | Contactor 80A | 349932621 | | | | | | | 2 | | | | | |
| | | Contactor 65A | 349932523 | | | 2 | 2 | | | | 2 | | | | 2 |
| | | **Compressor MMP's & Parts** | | | | | | | | | | | | | |
| 3 | MMP1, 2 | Manual Motor Protector 150- 220A | 349938608 | | | | | | | | | 2 | 2 | | |
| | | Manual Motor Protector 90- 150A | 349938607 | 2 | 2 | | | 2 | 2 | | | | | | |
| | | Manual Motor Protector 60- 100A | 349938606 | | | | | | | 2 | | | | 2 | |
| | | Manual Motor Protector 50- 65A | 349934149 | | | 2 | | | | | 2 | | | | 2 |
| | | Manual Motor Protector 40- 50A | 349934148 | | | | 2 | | | | | | | | |
| 3E | | Aux. Contact- 1NO or NC | 349938701 | 2 | 2 | | | 2 | 2 | 2 | | 2 | 2 | 2 | |
| | | Front Mounted Contact- 1NO | 349933821 | | | 2 | 2 | | | | 2 | | | | 2 |
| 3G | | Lug Kit (3 lugs per kit) | 349938801 | 2[2] | 2[2] | | | 2[2] | 2[2] | 2[2] | | 2[2] | 2[2] | 2[2] | |

[1] The above diagrams show ALL possible parts. Not every part shown applies to every unit size/voltage combination.
[2] Also requires 3 field supplied ring terminals.
[3] Contact Daikin Applied with model and serial number information so that the correct part(s) can be identified.

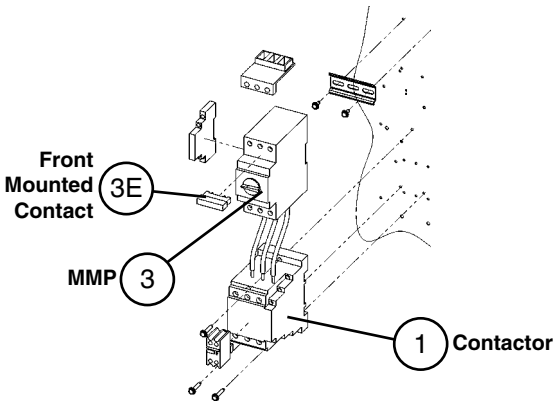
# Section N- Controls

## MicroTech III: Code 12= *E, *F, *W- 1/11 thru 5/13

## Compressor MMP1- 4 and Contactor M1- 4, Continued [1]




**MMP1- 4 & M1- 4 Link Detail**
**110C, 130C- 208/230V**




**MMP1- 4 & M1- 4 Link Detail**
**110C, 130C- 460/575V**

| Ref. No. | Sch. Sym. | Part Description | Part Number | Unit Size | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 110 | | | | 130 | | | |
| | | | | 208V | 230V | 460V | 575V | 208V | 230V | 460V | 575V |
| | | **Compressor Contactors & Parts** | | | | | | | | | |
| 1 | M1- 4 | Contactor 150A | 349932722 | | | | | 4 | 4 | | |
| | | Contactor 115A | 349932721 | 4 | 4 | | | | | | |
| | | Contactor 65A | 349932523 | | | | | | | 4 | 4 |
| | | Contactor 50A | 349932522 | | | 4 | 4 | | | | |
| | | **Compressor MMP's & Parts** | | | | | | | | | |
| 3 | MMP1- 4 | Manual Motor Protector 90- 150A | 349938607 | 4 | | | | 4 | 4 | | |
| | | Manual Motor Protector 60- 100A | 349938606 | | 4 | | | | | | |
| | | Manual Motor Protector 50- 65A | 349934149 | | | | | | | 4 | |
| | | Manual Motor Protector 40- 50A | 349934148 | | | 4 | | | | | 4 |
| | | Manual Motor Protector 30- 40A | 349934147 | | | | 4 | | | | |
| 3E | | Aux. Contact- 1NO or NC | 349938701 | 4 | 4 | | | | | | |
| | | Front Mounted Contact- 1NO | 349933821 | | | 4 | 4 | | | 4 | 4 |
| 3G | | Lug Kit (3 lugs per kit) | 349938801 | 4 [2] | 4 [2] | | | 4 [2] | 4 [2] | | |

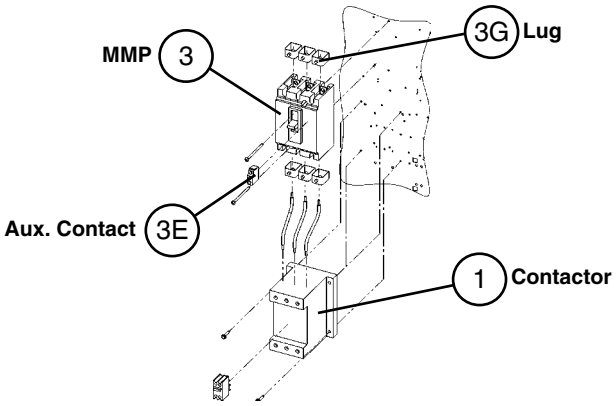
[1] The above diagrams show ALL possible parts. Not every part shown applies to every unit size/voltage combination.

[2] Also requires 3 field supplied ring terminals.

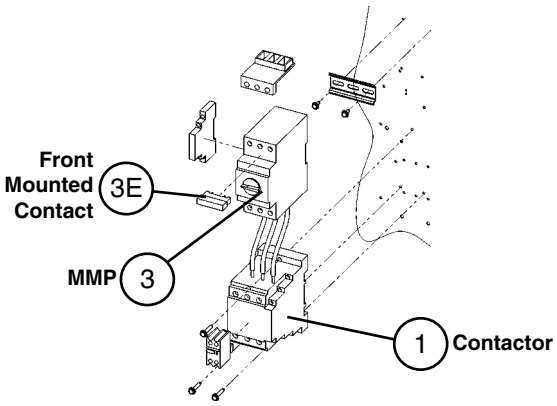
# Section N- Controls

## MicroTech III: Code 12= *E, *F, *W- 1/11 thru 5/13

## Compressor MMP1- 4 and Contactor M1- 4, Continued [1]




**MMP1- 4 & M1- 4 Link Detail**
**140C Circuit #1- 208/230V**
**140C Circuit #2, 150C- 208/230/460V**



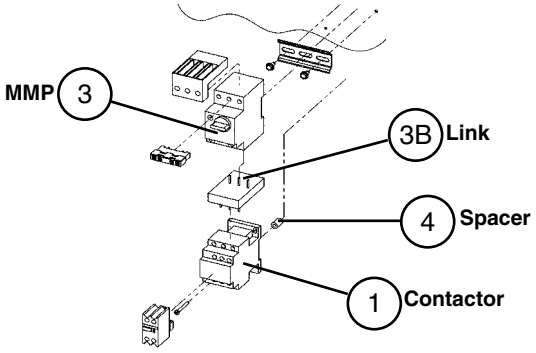

**MMP1- 4 & M1- 4 Link Detail**
**140C Circuit #1- 460/575V**
**140C Circuit #2, 150C- 575V**

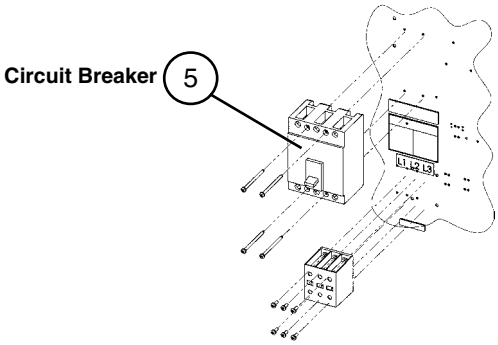
| Ref. No. | Sch. Sym. | Part Description | Part Number | Unit Size | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 140 [2] | | | | 150 | | | |
| | | | | 208V | 230V | 460V | 575V | 208V | 230V | 460V | 575V |
| | | **Compressor Contactors & Parts** | | | | | | | | | |
| 1 | M1, 2 | Contactor 150A | 349932722 | 4 | 4 | | | 4 | 4 | | |
| | | Contactor 80A | 349932621 | | | | | | | 4 | |
| | | Contactor 65A | 349932523 | | | 4 | 4 | | | | 4 |
| | M3, 4 | Contactor 150A | 349932722 | 4 | 4 | | | 4 | 4 | | |
| | | Contactor 80A | 349932621 | | | 4 | | | | 4 | |
| | | Contactor 65A | 349932523 | | | | 4 | | | | 4 |
| | | **Compressor MMP's & Parts** | | | | | | | | | |
| 3 | MMP1- 2 | Manual Motor Protector 90- 150A | 349938607 | 4 | 4 | | | 4 | 4 | | |
| | | Manual Motor Protector 60- 100A | 349938606 | | | | | | | 4 | |
| | | Manual Motor Protector 50- 65A | 349934149 | | | 4 | | | | | 4 |
| | | Manual Motor Protector 40- 50A | 349934148 | | | | 4 | | | | |
| | MMP3, 4 | Manual Motor Protector 90- 150A | 349938607 | 4 | 4 | | | 4 | 4 | | |
| | | Manual Motor Protector 60- 100A | 349938606 | | | 4 | | | | 4 | |
| | | Manual Motor Protector 50- 65A | 349934149 | | | | 4 | | | | 4 |
| 3E | | Aux. Contact- 1NO or NC | 349938701 | 4 | 4 | 4 [4] | | 4 | 4 | 4 | |
| | | Front Mounted Contact- 1NO | 349933821 | | | 4 [3] | 4 | | | | 4 |
| 3G | | Lug Kit (3 lugs per kit) | 349938801 | 4 [6] | 4 [6] | 8 [5] | | 4 | 4 | 4 | |

[1] The above diagrams show ALL possible parts. Not every part shown applies to every unit size/voltage combination.
[2] For unit size 140C, M1, 2 & MMP1, 2 are for the 30HP compressors; M3, 4 & MMP3, 4 are for the 35HP compressors.
[3] Used on Circuit #1 only.
[4] Used on Circuit #2 only.
[5] Used on Circuit #2 only and does NOT require 3 field supplied ring terminals
[6] Also requires 3 field supplied ring terminals

# Section N- Controls

## MicroTech III: Code 12= *E, *F, *W- 1/11 thru 5/13
## Condenser Fan Motor Protector MMP11- 23, Contactors M12- 23 & Circuit Breaker CB11 [1]

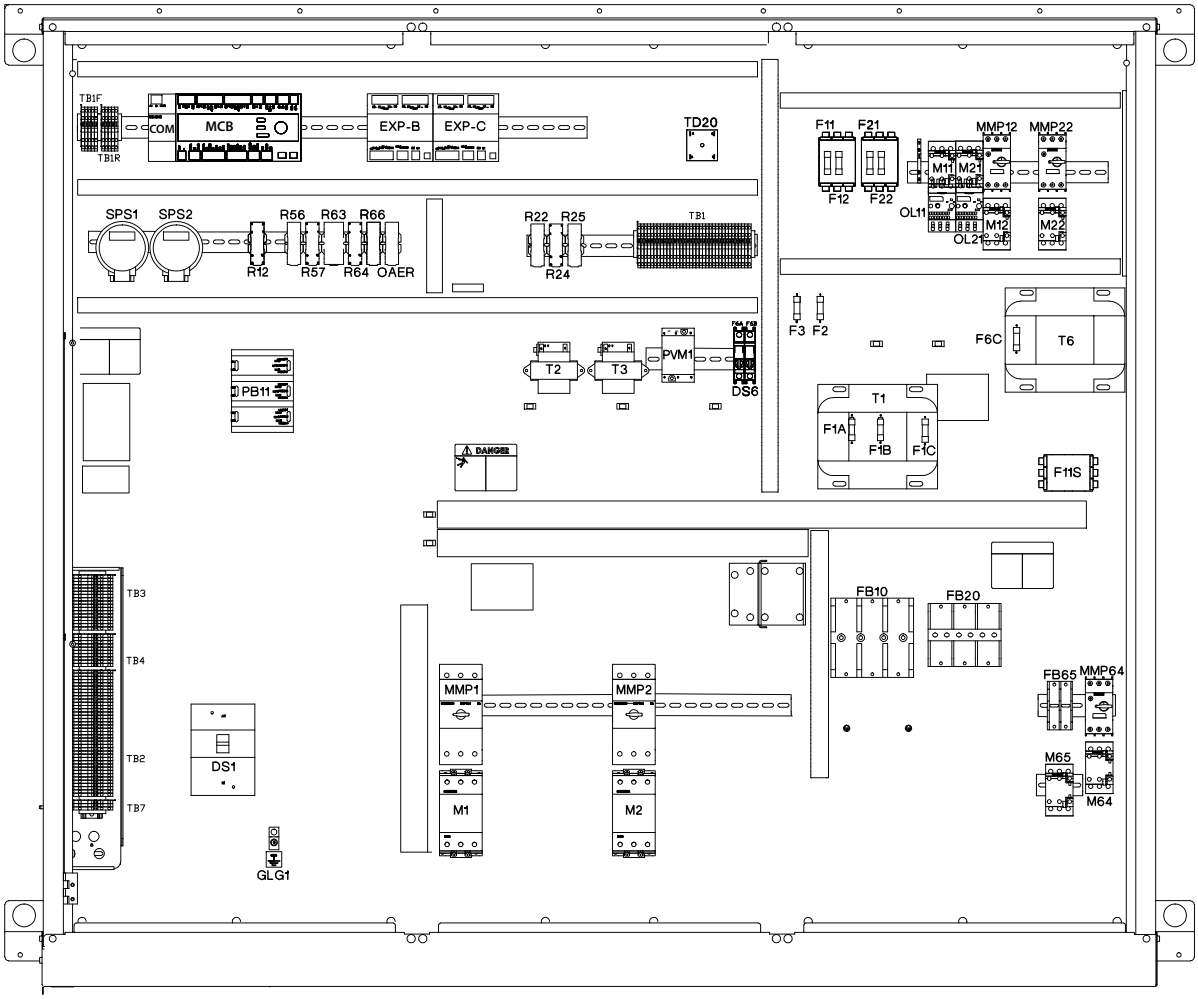


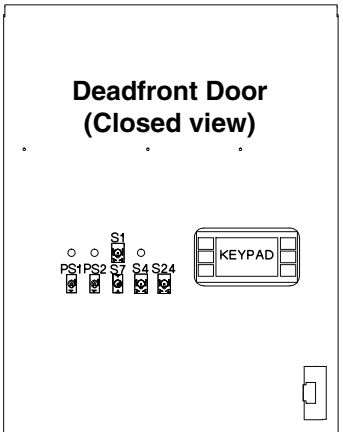




| Ref. No. | Sch. Sym. | Part Description | | Part Number | Unit Size 076- 100 208/230V | 076- 100 460V | 076- 100 575V | 110- 150 208/230V | 110- 150 460V | 110- 150 575V |
|---|---|---|---|---|---|---|---|---|---|---|
| | | **Fan Contactors** | | | | | | | | |
| 1 | M12, 22 | Contactor- Condenser Fan | 9A | 349934201 | 2 | 2 | 2 | 2 | 2 | 2 |
| | M13, 23 | Contactor- Condenser Fan | 9A | 349934201 | | | | 2 | 2 | 2 |
| | | **Fan MMP's & Parts** | | | | | | | | |
| 3 | MMP11, 21 | Manual Motor Protector | 4.0- 6.3A | 349934049 | 2 | | | 2 | | |
| | | Manual Motor Protector | 2.5- 4.0A | 300041314 | | 2 | | | 2 | |
| | | Manual Motor Protector | 1.6- 2.5A | 349934047 | | | 2 | | | 2 |
| | MMP12, 22 | Manual Motor Protector | 4.0- 6.3A | 349934049 | 2 | | | 2 | | |
| | | Manual Motor Protector | 2.5- 4.0A | 300041314 | | 2 | | | 2 | |
| | | Manual Motor Protector | 1.6- 2.5A | 349934047 | | | 2 | | | 2 |
| | MMP13, 23 | Manual Motor Protector | 4.0- 6.3A | 349934049 | | | | 2 | | |
| | | Manual Motor Protector | 2.5- 4.0A | 300041314 | | | | | 2 | |
| | | Manual Motor Protector | 1.6- 2.5A | 349934047 | | | | | | 2 |
| 3B | | Link- MMP | | 349932922 | 2 | 2 | 2 | 4 | 4 | 4 |
| 4 | | Spacer- Contactor | | 349906501 | 4 | 4 | 4 | 6 | 6 | 6 |
| | | **Fan Circuit Breaker** | | | | | | | | |
| 5 | CB11 | Circuit Breaker- Condenser Fan | | 349939621 | 1 [2] | 1 [2] | 1 [2] | 1 [2] | 1 [2] | 1 [2] |

[1] The above diagrams show ALL possible parts. Not every part shown applies to every unit size/voltage combination.
[2] Also requires 3 field supplied ring terminals.

# Section N- Controls
## MicroTech III: Code 12= *E, *F, *W- 6/13 & Later
## Main Control Box Diagram [1]




[1] The above diagrams show a typical two compressor (size 076- 100C) Main Control Box layout and is to be used for reference only. Specific unit components, component quantity, and component layout may differ depending upon unit size and options selected.

# Section N- Controls

## MicroTech III: Code 12= *E, *F, *W- 6/13 & Later

## Control Box Component Label Diagram [1]

DAIKIN

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1. Determine the Device ID for the part needed.
2. Use the charts below to identify the Daikin Applied part number.
3. Contact us.

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DAIKIN

**GOI Number: H021900300100R01**

**MB= Main Box; BB= Bypass Box; EB= Electric Heat Box; GB= Gas Box; PB= Prop Exhaust Box;**

| Location | Device ID | McQuay Part # | Description |
|---|---|---|---|
| BB | FB10 | 349964253 | Fuse Holder, 3 Pole, 100A, 600V, Cl |
| BB | FB10 | 193403117 | Fuse 100A 600V Class J Fast Acti |
| BB | FB10 | 349964263 | Cover, Fuse Holder, 3 Pole, 100A, C |
| BB | FB20 | 193403112 | Fuse 50A 600V Class J Fast Actin |
| BB | M30I | 193539501 | Contactor IEC Reversing 40A 120VAC |
| BB | M30I | 193542801 | Contactor Auxiliary Contact 1NO 1NC |
| BB | M30I | 193547401 | MMP to Contactor Link Module Size S |
| BB | M40I | 193539304 | Contactor IEC Reversing 25A 120VAC |
| BB | M40I | 193546001 | MMP to Contactor Link Module Screw |
| BB | M40I | 193545801 | MMP to Contactor Spacer Size S0 |
| BB | M40I | 349939016 | SCREW, PANHEAD B-type, #8 X 1" |
| BB | MMP30 | 193543305 | MMP Class 10 Size S2 28 to 40A |
| BB | MMP30 | 193546201 | MMP Auxiliary Contact Sizes S2 and |
| BB | MMP40 | 193543010 | MMP Class 10 Size S0 14 to 20A Scre |
| BB | MMP40 | 193543801 | MMP Auxiliary Contact Sizes S00 and |
| BB | MMP40 | 193545501 | MMP Type E Phase Barrier Sizes S00 |
| GB | AS | 033003800 | Ctrl-press air switch gas burner |
| GB | AS | 367297701 | Conduit fitting nipple 1-2 3-4 |
| GB | FLC | 193423703 | Control Temp Fan Limit Gas Heat |
| GB | FSG | 073300702 | Ctrl-temp flame safegrd base |
| GB | FSG | 073300803 | Ctrl-temp Flame Safegrd Control |
| GB | FSG | 073300901 | Ctrl-temp flame safegrd amplifier |
| GB | FSG | 073301002 | Ctrl-temp flame safegrd timer 90 |
| GB | IT | 034482600 | Transformer Ignition |
| GB | LS1 | 059975301 | Limit switch |
| GB | LS2 | 059975301 | Limit switch |
| GB | R20A | 349934764 | DPDT Relay 15A 120VAC |
| GB | R20A | 349964702 | Mounting Adapter 2P Relay to Dinra |
| GB | S3 | 033536700 | Switch Toggle 4PST 125V |
| MB | BNMS | 193408302 | Communication Card, BACnet-MSTP, MT |
| MB | DS1 | 193585102 | Circuit Breaker Molded Case Switch |
| MB | DS1 | 193556201 | lug kit, 3 pcs with power control I |
| MB | DS1 | 193404101 | Connector 1-4 quick connect tab |
| MB | DS1 | 193553301 | lug kit, 3 pcs, T3 Frame, 225A |
| MB | DS1 | 349939015 | SCREW, PANHEAD AB-type, #8-18 X 3" |
| MB | DS1 | 193550801 | Circuit Breaker Operating Mechanism |
| MB | DS1 | 193422102 | HANDLE, PISTOL, ABB DISCONNECT, RED |
| MB | DS6 | 193443801 | Fuse holder, Circuit Protector, 2 P |
| MB | DS6 | 349937131 | Fuse 10A Rejection Type |
| MB | EXP-B | 193407501 | Extension I-O 2 15 Points |
| MB | EXP-B | 193409701 | Connector for extension I-O - Direc |
| MB | EXP-C | 193407501 | Extension I-O 2 15 Points |
| MB | EXP-C | 193409701 | Connector for extension I-O - Direc |
| MB | F11 | 349937017 | Fuse 2A Midget Non-Rejection Typ |
| MB | F11S | 999488611 | Fuse, 15A 600V Class CC Type T Fast |
| MB | F12 | 349937017 | Fuse 2A Midget Non-Rejection Typ |
| MB | F1A | 349937131 | Fuse 10A Rejection Type |
| MB | F1B | 349937131 | Fuse 10A Rejection Type |
| MB | F1C | 349937036 | Fuse 20A Midget Non-Rejection Ty |
| MB | F2 | 349937035 | Fuse 15A Midget Non-Rejection Ty |
| MB | F21 | 349937017 | Fuse 2A Midget Non-Rejection Typ |
| MB | F22 | 349937017 | Fuse 2A Midget Non-Rejection Typ |
| MB | F3 | 349937035 | Fuse 15A Midget Non-Rejection Ty |
| MB | F6C | 349937036 | Fuse 20A Midget Non-Rejection Ty |
| MB | FB6S | 349937132 | Fuse 12A Rejection Type |
| MB | GRD11 | 349930647 | Terminal 2 x 2 spring Green 2row |
| MB | KEYPAD | 193408002 | REMOTE HMI, PANEL MOUNT |
| MB | M1 | 193591702 | Contactor IEC 80A 120VAC Coil Screw |
| MB | M1 | 193542701 | Contactor Auxiliary Contact 2NO 2NC |
| MB | M1 | 193547501 | MMP to Contactor Link Module Size S |
| MB | M11 | 193534105 | Contactor IEC 7A 120VAC Coil Spring |
| MB | M11 | 193541101 | Contactor Auxiliary Contact 1NO 1NC |
| MB | M12 | 193534105 | Contactor IEC 7A 120VAC Coil Spring |
| MB | M12 | 193545901 | MMP to Contactor Link Module Screw |
| MB | M12 | 193541101 | Contactor Auxiliary Contact 1NO 1NC |
| MB | M2 | 193591702 | Contactor IEC 80A 120VAC Coil Screw |
| MB | M2 | 193542701 | Contactor Auxiliary Contact 2NO 2NC |
| MB | M2 | 193547501 | MMP to Contactor Link Module Size S |
| MB | M21 | 193534105 | Contactor IEC 7A 120VAC Coil Spring |
| MB | M21 | 193541101 | Contactor Auxiliary Contact 1NO 1NC |
| MB | M22 | 193534105 | Contactor IEC 7A 120VAC Coil Spring |
| MB | M22 | 193545901 | MMP to Contactor Link Module Screw |
| MB | M22 | 193541101 | Contactor Auxiliary Contact 1NO 1NC |
| MB | M64 | 193534105 | Contactor IEC 7A 120VAC Coil Spring |
| MB | M64 | 193545901 | MMP to Contactor Link Module Screw |
| MB | M65 | 193534105 | Contactor IEC 7A 120VAC Coil Spring |
| MB | MCB | 193407201 | Base Controller with IP |
| MB | MMP1 | 193543404 | MMP Class 10 Size S3 57 to 75A |
| MB | MMP1 | 193546201 | MMP Auxiliary Contact Sizes S2 and |
| MB | MMP12 | 193542908 | MMP Class 10 Size S00 2.2 to 3.2A S |
| MB | MMP12 | 193543801 | MMP Auxiliary Contact Sizes S00 and |
| MB | MMP12 | 193545501 | MMP Type E Phase Barrier Sizes S00 |
| MB | MMP2 | 193543404 | MMP Class 10 Size S3 57 to 75A |
| MB | MMP2 | 193546201 | MMP Auxiliary Contact Sizes S2 and |
| MB | MMP22 | 193542908 | MMP Class 10 Size S00 2.2 to 3.2A S |
| MB | MMP22 | 193543801 | MMP Auxiliary Contact Sizes S00 and |
| MB | MMP22 | 193545501 | MMP Type E Phase Barrier Sizes S00 |
| MB | MMP64 | 193542908 | MMP Class 10 Size S00 2.2 to 3.2A S |
| MB | MMP64 | 193545501 | MMP Type E Phase Barrier Sizes S00 |
| MB | OAER | 349934722 | DPDT Relay 10A 24VAC |
| MB | OAER | 349934822 | Relay Socket DPDT |
| MB | OL11 | 193547906 | Overload Relay Class 10 Size S00 2. |
| MB | OL21 | 193547906 | Overload Relay Class 10 Size S00 2. |
| MB | PB11 | 030372785 | Distribution Power Terminal Brd 42 |
| MB | PS1 | 001355000 | Switch Toggle SPST-20A 125va |
| MB | PS2 | 001355000 | Switch Toggle SPST-20A 125va |
| MB | PVM1 | 112022001 | 3PH Monitor 190-480VAC |
| MB | R12 | 349934724 | DPDT Relay 10A 120VAC |
| MB | R12 | 349934822 | Relay Socket DPDT |
| MB | R22 | 349934724 | DPDT Relay 10A 120VAC |
| MB | R22 | 349934822 | Relay Socket DPDT |
| MB | R24 | 349934724 | DPDT Relay 10A 120VAC |
| MB | R24 | 349934822 | Relay Socket DPDT |
| MB | R25 | 349934724 | DPDT Relay 10A 120VAC |
| MB | R25 | 349934822 | Relay Socket DPDT |
| MB | R56 | 349934724 | DPDT Relay 10A 120VAC |
| MB | R56 | 349934822 | Relay Socket DPDT |
| MB | R57 | 349934724 | DPDT Relay 10A 120VAC |
| MB | R57 | 349934822 | Relay Socket DPDT |
| MB | R63 | 349934923 | DPDT Relay 10A 120VAC |
| MB | R63 | 349935021 | Relay Socket 3PDT |
| MB | R64 | 349934724 | DPDT Relay 10A 120VAC |
| MB | R64 | 349934822 | Relay Socket DPDT |
| MB | R66 | 349934723 | DPDT Relay 10A 24VDC |
| MB | R66 | 349934822 | Relay Socket DPDT |
| MB | RES4 | 044690151 | RESISTOR 1500 Ohm 1-8 Watt 1% Pr |
| MB | S1 | 018446400 | Switch Toggle DPST 125V |
| MB | S24 | 001355000 | Switch Toggle SPST-20A 125va |
| MB | S4 | 028798400 | Switch Toggle 3position ON-OFF-O |
| MB | S7 | 193412101 | Switch Toggle 2position ON-ON S |
| MB | SPS1 | 910117462 | SENSOR, AIR PRESSURE/VELOCITY, DIN |
| MB | SPS2 | 910117463 | SENSOR, AIR PRESSURE/VELOCITY, DIN |
| MB | T1 | 099477107 | MICRON Transformer, CPT, W/ FB, 200 |
| MB | T1 | 099477602 | Cover, Terminals, Micron 6-terminal |
| MB | T1 | 099477402 | Cover, Fuseholder, Micron Type 2 Tr |
| MB | T1 | 040500320 | Washer, 1/4" Flat |
| MB | T1 | 193444904 | Washer, Split Lock |
| MB | T2 | 349937303 | Transformers 75va 120V-24Vac |
| MB | T3 | 349937303 | Transformers 75va 120V-24Vac |
| MB | T6 | 099477114 | MICRON Transformer, CPT, WO/ FB, 20 |
| MB | T6 | 099477602 | Cover, Terminals, Micron 6-terminal |
| MB | T6 | 040500320 | Washer, 1/4" Flat |

[1] Note that all units will have a label similar to the one shown above pasted to the inside of the Control Box door. This label contains schematic designators, part descriptions, and Daikin Applied part numbers. The label shown above is for representative purposes only. Actual part numbers will vary depending upon unit options selected.

# Section N- Controls
## MicroTech III: Code 12= *E, *F, *W- 6/13 & Later
## Main Control Box Common Components

| Sch. Sym. | Part Description | | Part Number | Qty. |
|---|---|---|---|---|
| | **Main Controller** | | | |
| MCB | Main Controller [1] | | 193407301 | 1 |
| | Connector, Extension I/O Direct Connect | | 193409701 | [2] |
| | Terminal Block, MCB- 2 Pole | | 193410302 | 1 |
| | Terminal Block, MCB- 3 Pole | | 193410303 | 6 |
| | Terminal Block, MCB- 5 Pole | | 193410305 | 1 |
| | Terminal Block, MCB- 6 Pole | | 193410306 | 1 |
| | Terminal Block, MCB- 7 Pole | | 193410307 | 1 |
| | Terminal Block, MCB- 8 Pole | | 193410308 | 2 |
| | **Expansion Module** | | | |
| EXP A | Expansion Module- Condenser/ Energy Recovery [2] | | 193407501 | 1 |
| EXP B | Expansion Module- Heat | | 193407501 | 1 |
| EXP D | Expansion Module- Specials [3] | | 193407501 | 1 |
| | Terminal Block, EXP- 2 Pole | | 193410302 | 1/board |
| | Terminal Block, EXP- 3 Pole | | 193410303 | 1/board |
| | Terminal Block, EXP- 7 Pole | | 193410307 | 1/board |
| | Terminal Block, EXP- 8 Pole | | 193410308 | 2/board |
| | **Communication Card** | | | |
| COM | Bacnet- MSTP | (Code 12= BE, BF, BW) | 090016710 | 1 |
| | Bacnet- IP | (Code 12= EE, EF, EW) | 090016709 | 1 |
| | LonWorks- Discharge | (Code 12= LE, LW) | 090016712 | 1 |
| | LonWorks- Constant Volume | (Code 12= LF) | 090016711 | 1 |
| | **Resistors [2]** | | | |
| RES1 | Resistor- Refrigeration Circuit #1 | 1500 OHM | 044690151 | 1 |
| RES2 | Resistor- Refrigeration Circuit #2 | 1000 OHM | 044690110 | 1 |
| RES3 | Resistor- Freezestat (FS1) | 1000 OHM | 044690110 | 1 |
| RES4 | Resistor- OAE | 1500 OHM | 044690151 | 1 |
| RES6,7,8 | Resistor- SPS1, SPS2, SPS3 | 500 OHM | 044690146 | 1/switch |
| | **Switches- Control** | | | |
| HS1 | Switch- Electric Heat Shutdown | (Code 04= E) | 001355000 | 1 |
| S1 | Switch- System On/Off | | | |
| | Gas Heat Units with no UV Lights | DPST/15A | 018446400 | 1 |
| | Gas Heat Units with UV Lights | 4PST/30A | 033536700 | 1 |
| | Electric, Steam, HW or No Heat with no UV Lights | SPST/20A | 001355000 | 1 |
| | Electric, Steam, HW or No Heat with UV Lights | DPST/15A | 018446400 | 1 |
| S4 | Switch- Inverter Bypass On/Off | DPST/15A | 018446400 | 1 |
| S7 | Switch- Local On/Auto/Off to Controller | SPDT/15A | 193412101 | 1 |
| | **Transformers** | | | |
| T2 | Transformer- Control | 120- 24V | 349937303 | 1 |
| T3 | Transformer- Control | 120- 24V | 349937303 | 1 |
| | **Duct Hi Limit and Duct Static Pressure Sensors** | | | |
| DHL | Duct Hi Limit Switch [2, 4] | | 065493801 | 1 |
| SPS1, 2 | Pressure Transducer- Duct Sensor [4] | | 193552102 | [3] |
| | Pressure Transducer- Space Sensor [4] | | 193552101 | [3] |

[1] The Main Controller must be programmed in order to function correctly. When ordering a replacement MCB, provide the unit model and serial number so the unit specific software code can be loaded before shipment.
[2] Not Shown on diagram.
[3] Quantity varies depending upon unit options selected.
[4] SPS1 Duct Sensor Code 13= 1, 2, 3. SPS2 Duct Sensor Code 13= 2. SPS2 Space Sensor Code 13= 3, 4.

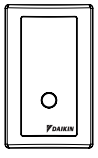
# Section N- Main Control Box
## MicroTech III: Code 12= *E, *F, *W- 6/13 & Later
## Main Control Box Common Components, Continued

| Sch. Sym. | Part Description | Part Number | Qty. |
|---|---|---|---|
| | **Relays** | | |
| R11 | Relay- Speedtrol inverter VFD11 [3] | 349934724 | 1 |
| R12 | Relay- Condenser Fan | 349934724 | 1 |
| R13 | Relay- Condenser Fan [3] | 349934724 | 1 |
| R14 | Relay- Condenser Fan [3] | 349934724 | 1 |
| R17 | Relay- Speedtrol inverter VFD21 [3] | 349934724 | 1 |
| R20 | Relay- Heat [3] | 349934724 | 1 |
| R22 | Relay- Gas Heat | 349934724 | 1 |
| R24 | Relay- Gas Heat Alarm | 349934724 | 1 |
| R25 | Relay- Gas Heat, Start Supply Fan Inverter (Code 14= 1,2,3,5,6,7) | 349934724 | 1 |
| R26 | Relay- Iso Damper- Open/Close | 349934722 | 1 |
| R28 | Relay- Isolation Damper Safety [3] | 349934722 | 1 |
| R45 | Relay- UV Lights [3] | 349934722 | 1 |
| R63 | Relay- Duct Hi Limit | | |
| | Units with Return Fan Inverter 3PDT/120V | 349934923 | 1 |
| | Units with No Return Fan Inverter DPDT/120V | 349934724 | 1 |
| R81 | Relay- Inverter Reset [3] 4P/6A/24V | 349934722 | 1 |
| R82 | Relay- Inverter Reset [3] 4P/6A/24V | 349934722 | 1 |
| R83 | Relay- Smoke [3] 4P/6A/24V | 193413601 | 1 |
| R84 | Relay- Smoke [3] 4P/6A/24V | 193413601 | 1 |
| R85 | Relay- Smoke [3] 4P/6A/24V | 193413601 | 1 |
| R86 | Relay- Smoke [3] 4P/6A/24V | 193413601 | 1 |
| R87 | Relay- Smoke [3] 4P/6A/24V | 193413601 | 1 |
| R88 | Relay- Smoke [3] 4P/6A/24V | 193413601 | 1 |
| | **Time Delays** | | |
| TD20 | Time Delay- Return Air Fan | 028210106 | 1 |
| | **Terminal Block** | | |
| TB1 | Terminal Block | 349930641 | [1] |
| | **Sensors** | | |
| ZNT1 | Sensor, Digital- Zone Temperature w/ Tennant O/R & Setpoint Adj. [4] | 910143408 | 1 |
| | Sensor- Zone Temperature w/ Tenant Override [4] | 113117701 | 1 |
| | Sensor- Zone Temp. w/ Tenant Override & Remote Setpoint Adj.[2, 4] | 113117801 | 1 |
| DAT | Sensor- Discharge Air Temperature [3] | 193414602 | 1 |
| EFT | Sensor- Entering Air Temperature [3] | 193414602 | 1 |
| OAT | Sensor- Outside Air Temperature [3] | 193414602 | 1 |
| RAT | Sensor- Return Air Temperature [3] | 193414602 | 1 |
| EAT | Sensor- Exhaust Air Temperature [3] | 193414602 | 1 |
| LAT | Sensor- Leaving Air Temperature [3] | 193414602 | 1 |

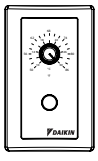
[1] Varies depending on unit options. Part number is for one individual section. Ground block is p/n 349930647.
[2] SCC Units only (Code 12= *F).
[3] Not Shown on diagram.
[4] In late 2013, Digital Room Sensor p/n 910143408 was added as the preferred option. The other Zone Temperature Sensors are still available as options. For positive p/n identification, refer to the drawings below.

**ZNT1 Sensor 910143408**

**ZNT1 Sensor 113117701**



**ZNT1 Sensor 113117801**



# Section N- Main Control Box
## MicroTech III: Code 12= *E, *F, *W- 6/13 & Later
## Main Control Box Common Components, Continued

| Sch. Sym. | Part Description | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|
| | | | 208V | 230V | 460V | 575V |
| | **Terminal Blocks** | | | | | |
| TB2, 7 | Terminal Block | 349930641 | [1] | [1] | [1] | [1] |
| TB3, 4 | Terminal Block | 349930641 | [2] | [2] | [2] | [2] |
| | **Transformer- Main** [3] | | | | | |
| T1 | Transformer- Main Control | | | | | |
| | Electric, Hydronic, No Heat (Code 04= E,S,W,Y) | | | | | |
| | Units without UV Lights | 038253975 | 1 | | | |
| | Units without UV Lights | 038253957 | | 1 | 1 | |
| | Units without UV Lights | 038253984 | | | | 1 |
| | Units with UV Lights (Code 17 [2nd digit]= 1- 8) | 038253976 | 1 | | | |
| | Units with UV Lights (Code 17 [2nd digit]= 1- 8) | 038253958 | | 1 | 1 | |
| | Units with UV Lights (Code 17 [2nd digit]= 1- 8) | 038253985 | | | | 1 |
| | Gas Heat (Code 04= A) | | | | | |
| | Units without UV Lights | 038253976 | 1 | | | |
| | Units without UV Lights | 038253958 | | 1 | 1 | |
| | Units without UV Lights | 038253985 | | | | 1 |
| | Units with UV Lights (Code 17 [2nd digit]= 1- 8) | 349939819 | 1 | | | |
| | Units with UV Lights (Code 17 [2nd digit]= 1- 8) | 349939809 | | 1 | 1 | |
| | Units with UV Lights (Code 17 [2nd digit]= 1- 8) | 349939829 | | | | 1 |
| | **Fuses- T1** | | | | | |
| F1.A, B | Fuse- T1 Transformer, Primary | | | | | |
| | Electric, Hydronic, No Heat (Code 04= E,S,W,Y) | | | | | |
| | Units without UV Lights | 349937134 | 2 | | | |
| | Units without UV Lights | 349937133 | | 2 | | |
| | Units without UV Lights | 349937129 | | | 2 | |
| | Units without UV Lights | 349937125 | | | | 2 |
| | Units with UV Lights (Code 17 [2nd digit]= 1- 8) | 349937135 | 2 | 2 | | |
| | Units with UV Lights (Code 17 [2nd digit]= 1- 8) | 349937131 | | | 2 | |
| | Units with UV Lights (Code 17 [2nd digit]= 1- 8) | 349937129 | | | | 2 |
| | Gas Heat (Code 04= A) | | | | | |
| | Units without UV Lights | 349937135 | 2 | 2 | | |
| | Units without UV Lights | 349937131 | | | 2 | |
| | Units without UV Lights | 349937129 | | | | 2 |
| | Units with UV Lights (Code 17 [2nd digit]= 1- 8) | 349937137 | 2 [5] | 2 [5] | | |
| | Units with UV Lights (Code 17 [2nd digit]= 1- 8) | 349937133 | | | 2 [5] | |
| | Units with UV Lights (Code 17 [2nd digit]= 1- 8) | 349937132 | | | | 2 [5] |
| F1.C | Fuse- T1 Transformer, Secondary | 349937038 [4] | 1 | 1 | 1 | 1 |
| | Fuse- T1 Transformer, Secondary | 349937036 [4] | 1 | 1 | 1 | 1 |
| | Fuse- T1 Transformer, Secondary | 349937035 [4] | 1 | 1 | 1 | 1 |

[1] Varies depending on unit options. Part number is for one individual section. Ground block is p/n 349930647.

[2] Varies depending on unit options. Part number is for one individual section. When required, Jumpers are p/n 349930922 (2 pole), 349930923 (3 pole), 349930924 (4 pole), 349930925 (5 pole).

[3] T1 transformers also use a Cover Kit p/n 349955901 & a Fuse Puller Kit p/n 349955801 (not used on Transformer p/n 349939819, 349939809, 349939829.

[4] Fuse depends on heat type and presence of UV lights. 349937038= Gas Heat Unit w/UV lights; 349937036= Gas Heat Unit with no UV lights OR Non-Gas Heat Unit with UV lights; 349937035= Non- Gas Heat Units with no UV lights.

[5] Fuses used on Gas Heat Unit w/UV lights also use Fuse Block p/n 023780231 & 3 Pullers p/n 349938227.

# Section N- Main Control Box
## MicroTech III: Code 12= *E, *F, *W- 6/13 & Later
## Main Control Box Common Components, Continued

| Sch. Sym. | Part Description | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|
| | | | 208V | 230V | 460V | 575V |
| | **Fuses, continued** | | | | | |
| F2,F3, F5 | Fuses | | | | | |
| | Fuse Block | 023780223 | 1/fuse | 1/fuse | 1/fuse | 1/fuse |
| | Fuse Cover | 349938227 | 1/fuse | 1/fuse | 1/fuse | 1/fuse |
| F2 | Fuse- 2000+VA transformer | 349937035 | 1 | 1 | 1 | 1 |
| F3 | Fuse- Blower Motor 200- 1500 MBH furnace | 349937035 | 1 | 1 | 1 | 1 |
| | Fuse- Blower Motor 2000 MBH furnace | 349937036 | 1 | 1 | 1 | 1 |
| F5 | Fuse- UV Lights [2] (Code 17 [2nd digit]= 1- 8) | 349937032 | 1 | 1 | 1 | 1 |
| F11- 23 | Fuse Blocks- Condenser Fan | 023780233 | 1/fan | 1/fan | 1/fan | 1/fan |
| | Fuse- Condenser Fan | 042753109 | 1/fan | 1/fan | 1/fan | 1/fan |
| | Fuse Cover/Puller- Condenser Fan | 349938227 | 1/fuse | 1/fuse | 1/fuse | 1/fuse |
| | **Phase Voltage Monitor (Code 17= P,A,C,D,H,J,K)** | | | | | |
| PVM1, 2 | Phase Voltage Monitor | 112022001 | 1 | 1 | 1 | |
| | Phase Voltage Monitor | 112022002 | | | | 1 |
| | **Ground Fault Protection [2] (Code 17= G,B,C,D,K)** | | | | | |
| GFR1, 2 | Ground Fault Relay- SPDT | 349937502 | 1 | 1 | 1 | 1 |
| GFS1, 2 | Ground Fault Sensor | 349937407 | 1 | 1 | 1 | 1 |
| | **Power Blocks [2]** | | | | | |
| PB1, PB2 | Power Block- Main (Code 11= P1, Q1) | | | | | |
| | Power Block, Non- Electric Heat Units- 175A [1] | 030372776 | 1 | 1 | 1 | 1 |
| | Power Block, Electric Heat Units- 175A [1] | 030372780 | 1 | 1 | 1 | 1 |
| | Lug- 175A Block | 349938001 | 1 | 1 | 1 | 1 |
| | Power Block, Non- Electric Heat Units- 255A [1] | 030372778 | 1 | 1 | 1 | 1 |
| | Lug- 255A Block | 349938001 | 1 | 1 | 1 | 1 |
| | Power Block, Non- Electric Heat Units- 380A [1] | 030372779 | 1 | 1 | 1 | 1 |
| | Power Block, Electric Heat- 380A [1] | 030372782 | 1 | 1 | 1 | 1 |
| | Lug- 380A Block | 349938002 | 1 | 1 | 1 | 1 |
| | Power Block, Non- Electric Heat Units- 620A [1] | 030372701 | 1 | 1 | 1 | 1 |
| | Cover- 620A Block | 349938345 | 3 | 3 | 3 | 3 |
| | Lug- 620A Block | 349938002 | 1 | 1 | 1 | 1 |
| | Power Block, Non- Electric Heat Units- 760A [1] | 030372760 | 1 | 1 | 1 | 1 |
| | Power Block, Electric Heat Units, 208/230V- 760A [1] | 030372772 | 1 | 1 | | |
| | Power Block, Electric Heat Units, 460/575V- 760A [1] | 030372760 | | | 1 | 1 |
| | Cover- 760A Block | 349938345 | 3 | 3 | 3 | 3 |
| | Lug- 760A Block | 349938003 | 1 | 1 | 1 | 1 |
| | Power Block, Non- Electric Heat Units- 840A [1] | 030372724 | 1 | 1 | 1 | 1 |
| | Cover- 840A Block | 349938345 | 3 | 3 | 3 | 3 |
| | Lug- 840A Block | 349938003 | 1 | 1 | 1 | 1 |
| PB11 | Power Block- Power Distribution | | | | | |
| | Power Block- 420A [1] | 030372785 | 1 | 1 | 1 | 1 |
| | Power Block- 760A [1] | 030372721 | 1 | 1 | 1 | 1 |
| | Cover- 760A Block | 349938345 | 1 | 1 | 1 | 1 |
| PB12 | Power Block- Power Distribution [2] (Code 04= E) | | | | | |
| | 20, 40 KW Electric Heat | 030372777 | 1 | 1 | 1 | 1 |
| | 60, 80, 100, 120 KW Electric Heat | 030372785 | 1 | 1 | | |
| | 60, 80, 100, 120 KW Electric Heat | 030372777 | | | 1 | 1 |
| | 160, 200, 240, 280, 320 KW Electric Heat | 030372785 | | | 1 | 1 |

[1] Any of the listed parts may be used, depending on unit options. Check installed part to verify, or contact Daikin Applied with unit serial and/or GO number to insure correct replacement is selected. PB2 is installed when Code 11= Q1.
[2] Not shown on diagram.

# Section N- Main Control Box
## MicroTech III: Code 12= *E, *F, *W- 6/13 & Later
## Main Control Box Common Components, Continued

| Sch. Sym. | Part Description | | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|---|
| | | | | 208V | 230V | 460V | 575V |
| | **Power Blocks, continued** | | | | | | |
| PB10 | Power Block- Supply Fan | (Code 15= F) | 030372776 | 1 | 1 | 1 | 1 |
| PB20 | Power Block- Return Fan | (Code 15= F) | 030372776 | 1 | 1 | 1 | 1 |
| | **Water Pump/Sump Heater Components** | | | | | | |
| M64 | Contactor- Water Pump | 7A | 193534105 | 1 | 1 | 1 | 1 |
| MMP64 | Motor Protector- Water Pump | 5.5- 8.0A | 193542912 | 1 | | | |
| | Motor Protector- Water Pump | 4.5- 6.3A | 193542911 | | 1 | | |
| | Motor Protector- Water Pump | 2.2- 3.2A | 193542908 | | | 1 | |
| | Motor Protector- Water Pump | 1.8- 2.5A | 193542907 | | | | 1 |
| - | Phase Barrier | | 193545501 | 1 | 1 | 1 | 1 |
| - | Link | | 193545901 | 1 | 1 | 1 | 1 |
| M65 | Contactor- Sump Heater | 25A | 193537304 | 1 | 1 | | |
| | Contactor- Sump Heater | 16A | 193592006 | | | | |
| | Contactor- Sump Heater | 9A | 193592004 | | | 1 | |
| | Contactor- Sump Heater | 7A | 193534105 | | | | 1 |
| FB65 | Fuse Block- Sump Heater | | 023780222 | 1 | 1 | 1 | 1 |
| | Fuse | 25A | 349937136 | 2 | | | |
| | Fuse | 20A | 349937135 | | 2 | | |
| | Fuse | 15A | 349937133 | | | 2 | |
| | Fuse | 10A | 349937131 | | | | 2 |
| | Fuse Guard | | 349938227 | 2 | 2 | 2 | 2 |
| | **Receptacle** [9] | | | | | | |
| REC1 | Receptacle | | 039003600 | 1 | 1 | 1 | 1 |
| | **Plugs** [1, 9] | | | | | | |
| [2] | 4 Pin Plug | | 349930201 | varies | varies | varies | varies |
| [3] | 6 Pin Plug | | 349930403 | varies | varies | varies | varies |
| [4] | 12 Pin Plug | | 349930405 | varies | varies | varies | varies |
| [5] | 3 Pin Cap Kit | | 349930501 | varies | varies | varies | varies |
| [6] | 6 Pin Cap Kit | | 349930503 | varies | varies | varies | varies |
| [7] | 9 Pin Cap Kit | | 349930504 | varies | varies | varies | varies |
| [8] | 15 Pin Cap Kit | | 349930506 | varies | varies | varies | varies |

[1] All possible Plugs used are listed. Check actual unit to verify which Plug is required.
[2] Used for PL1, PL, 2, PL3, PL4, PL5, PL6, PL22,PL23, PL24, PL37, PL38.
[3] Used with Strain Relief (p/n 300041173) & 6 Pin Cap Kit (p/n 349930503). Used for PL20, PL21.
[4] Used for PL11, PL12, PL25, PL26, PL27, PL28, PL29, PL30 (PL11 & 12 also use Strain Relief p/n 300041175 & Cap Kit p/n 349930505).
[5] Used for PL16, PL17, PL31, PL32, PL33, PL34, PL39, PL40, PL41, PL42.
[6] Used for PL9, PL10.
[7] Used for PL18, PL19, PL35, PL36, PL43.
[8] Used for PL7, PL8.
[9] Not shown on diagram.

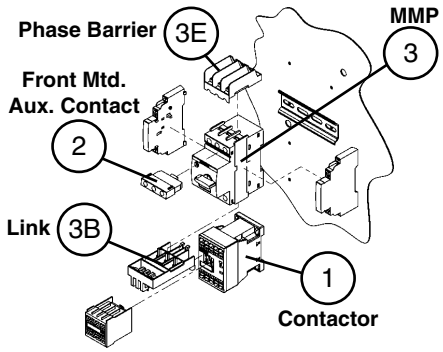
# Section N- Main Control Box
## MicroTech III: Code 12= *E, *F, *W- 6/13 & Later
## Main Control Box Common Components, Continued

| Sch. Sym. | Part Description | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|
| | | | 208V | 230V | 460V | 575V |
| | **Disconnect Switch** [1] | | | | | |
| DS1, 2 | Disconnect Switch- Main, RAF & SAF | | | | | |
| | Switch- 100A | 193444703 | 1 | 1 | 1 | 1 |
| | Handle | 193422102 | 1 | 1 | 1 | 1 |
| | Shaft [2] | 193596420 | 1 | 1 | 1 | 1 |
| | Switch- 150A | 193585101 | 1 | 1 | 1 | 1 |
| | Handle | 193422102 | 1 | 1 | 1 | 1 |
| | Mechanism | 193550801 | 1 | 1 | 1 | 1 |
| | Shaft [2] | 193596420 | 1 | 1 | 1 | 1 |
| | Lugs [4] | 193553301 | 1 | 1 | 1 | 1 |
| | Switch- 250A | 193551601 | 1 | 1 | 1 | 1 |
| | Handle | 193595701 | 1 | 1 | 1 | 1 |
| | Mechanism | 193551001 | 1 | 1 | 1 | 1 |
| | Shaft [3] | 300049193 | 1 | 1 | 1 | 1 |
| | Lugs [4] | 193553801 | 1 | 1 | 1 | 1 |
| | Switch- 400A | 193551701 | 1 | 1 | 1 | 1 |
| | Handle | 193595701 | 1 | 1 | 1 | 1 |
| | Mechanism | 193551001 | 1 | 1 | 1 | 1 |
| | Shaft [3] | 300049193 | 1 | 1 | 1 | 1 |
| | Lugs [4] | 193554001 | 1 | 1 | 1 | 1 |
| | Switch- 600A | 193551801 | 1 | 1 | 1 | 1 |
| | Handle | 193595701 | 1 | 1 | 1 | 1 |
| | Mechanism | 193551001 | 1 | 1 | 1 | 1 |
| | Shaft [3] | 300049193 | 1 | 1 | 1 | 1 |
| | Lugs [4] | 193554101 | 2 | 2 | 2 | 2 |
| | Switch- 800A | 193551901 | 1 | 1 | 1 | 1 |
| | Handle | 193595701 | 1 | 1 | 1 | 1 |
| | Mechanism | 193558201 | 1 | 1 | 1 | 1 |
| | Shaft [3] | 300049193 | 1 | 1 | 1 | 1 |
| | Lugs [4] | 193557001 | 2 | 2 | 2 | 2 |
| | Switch- 1000A | 193552001 | 1 | 1 | 1 | 1 |
| | Handle | 193588001 | 1 | 1 | 1 | 1 |
| | Mechanism | 193550801 | 1 | 1 | 1 | 1 |
| | Shaft [3] | 300049193 | 1 | 1 | 1 | 1 |
| | Lugs [4] | 193555801 | 2 | 2 | 2 | 2 |

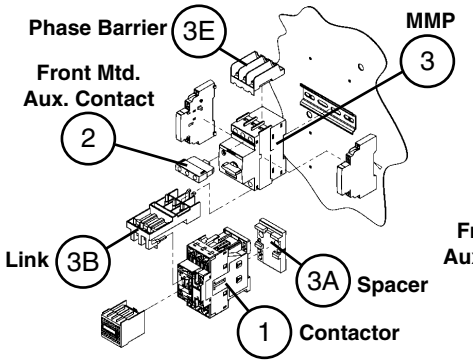
[1] Disconnects are sized according to various unit specifications. Check installed switch to verify the correct Disconnect size, or contact Daikin Applied with model and serial number information so that the required part(s) can be identified.
[2] This shaft is 14.25" OAL and is designed to be cut to length in the field.
[3] This shaft is 7.21" (183mm) OAL and is designed to be cut to length in the field. For a 19.69" (500mm) OAL use p/n 300040299.
[4] Three Lugs are included with each p/n.

# Section N- Main Control Box

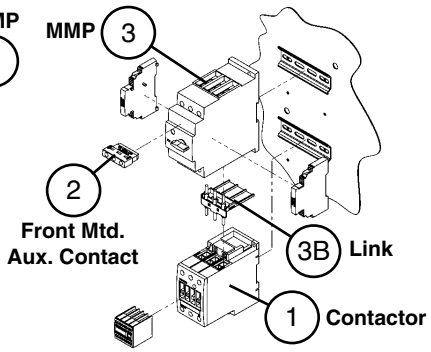
## MicroTech III: Code 12= *E, *F, *W- 6/13 & Later
## Supply MMP10 Motor Protector, M10 Fan Contactor &
## Return MMP20 Motor Protector, M20 Fan Contactor
## Diagrams [1]



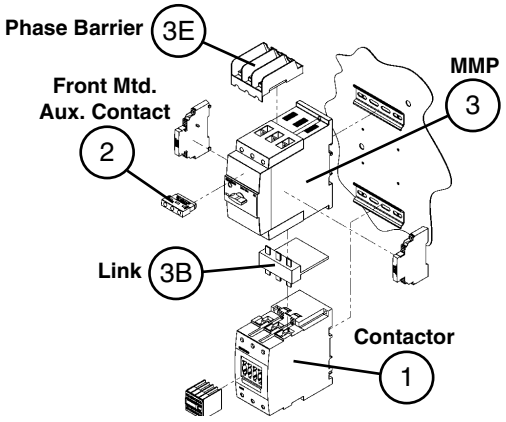

**MMP10 & M10 Link Detail**
**MMP20 & M20 Link Detail**
**5 HP Motors- 460/575V**
**7.5 HP Motors- 575V**



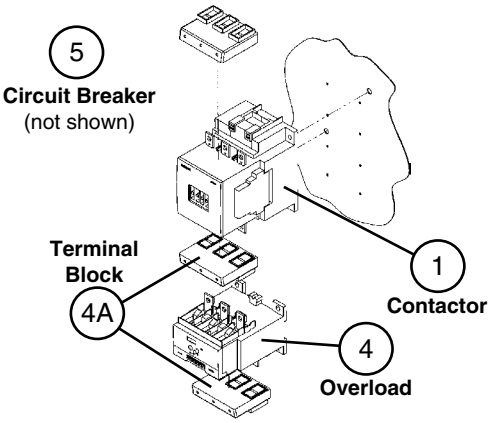

**MMP10 & M10 Link Detail**
**MMP20 & M20 Link Detail**
**5 HP Motors- 208/230V**
**7.5 HP Motors- 208/230/460V**
**10 HP Motors- All Voltages**
**15, 20 HP Motors- 460V**




**MMP10 & M10 Link Detail**
**MMP20 & M20 Link Detail**
**15 HP Motors- 208/230/575V**
**20, 40 HP Motors- 575V**
**25, 30 HP Motor- 460/575V**




**MMP10 & M10 Link Detail**
**MMP20 & M20 Link Detail**
**20, 25, 30 HP Motors- 208/230V**
**40 HP Motors- 460V**
**50, 60 HP Motors- 460/575V**
**75 HP Motors- 575V**




**MMP10 & M10 Link Detail**
**MMP20 & M20 Link Detail**
**40, 50, 60 HP Motors- 208/230V**
**75 HP Motors- 460V**

[1] The above diagrams show ALL possible parts. Not every part shown applies to every unit size/voltage combination.

# Section N- Main Control Box

## MicroTech III: Code 12= *E, *F, *W- 6/13 & Later

## Supply & Return Fan Contactors, Circuit Breakers, & Fusing Components

### 5 HP Motor- Code 22 OR 32= J*Y

| Ref. No. | Sch. Sym. | Part Description | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|---|
| | | | | 208V | 230V | 460V | 575V |
| 1 | M10, 20 | Contactor- Supply (M10) OR Return (M20) Fan | 193537304 | 1 | | | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 193592006 | | 1 | | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 193534106 | | | 1 | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 193534105 | | | | 1 |
| 2 | | Aux. Contact- 1 NC OR NO | 193543801 | 1 | 1 | 1 | 1 |
| 3 | MMP10, 20 | MMP- Supply (M10) OR Return (M20) Fan | 193543009 | 1 | 1 | | |
| | | MMP- Supply (M10) OR Return (M20) Fan | 193542912 | | | 1 | 1 |
| 3A | | Spacer | 193545801 | 1 | 1 | | |
| 3B | | Link | 193546001 | 1 | 1 | | |
| | | Link | 193545901 | | | 1 | 1 |
| 3E | | Phase Barrier | 193545501 | 1 | 1 | 1 | 1 |
| N/S | CB10, 20 | Circuit Breaker- Supply (M10) OR Return (M20) Fan | 193550201 | | | | 1 |
| | FB10, 20 | Fuseblock- Supply (M10) OR Return (M20) Fan | 023780232 | 1 | 1 | 1 | |
| | | Fuse 25A | 349937136 | 3 | | | |
| | | Fuse 20A | 349937135 | | 3 | | |
| | | Fuse 10A | 349937131 | | | 3 | |
| | | Fuse Cover/Puller | 349938227 | [1] | [1] | [1] | |

Note: All quantities are PER assembly.
[1] 1 pc. PER Fuse.

### 7.5 HP Motor- Code 22 OR 32= K*Y

| Ref. No. | Sch. Sym. | Part Description | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|---|
| | | | | 208V | 230V | 460V | 575V |
| 1 | M10, 20 | Contactor- Supply (M10) OR Return (M20) Fan | 193537304 | 1 | 1 | | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 193592005 | | | 1 | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 193534106 | | | | 1 |
| 2 | | Aux. Contact- 1 NC OR NO | 193543801 | 1 | 1 | 1 | 1 |
| 3 | MMP10, 20 | MMP- Supply (M10) OR Return (M20) Fan | 193543012 | 1 | | | |
| | | MMP- Supply (M10) OR Return (M20) Fan | 193543011 | | 1 | | |
| | | MMP- Supply (M10) OR Return (M20) Fan | 193543008 | | | 1 | |
| | | MMP- Supply (M10) OR Return (M20) Fan | 193542913 | | | | 1 |
| 3A | | Spacer | 193545801 | 1 | 1 | 1 | |
| 3B | | Link | 193546001 | 1 | 1 | 1 | |
| | | Link | 193545901 | | | | 1 |
| 3E | | Phase Barrier | 193545501 | 1 | 1 | 1 | 1 |
| 5 | CB10, 20 | Circuit Breaker- Supply (M10) OR Return (M20) Fan | 193550201 | | | | 1 |
| | FB10, 20 | Fuseblock- Supply (M10) OR Return (M20) Fan | 193428502 | 1 | 1 | | |
| | | Fuseblock- Supply (M10) OR Return (M20) Fan | 023780232 | | | 1 | |
| | | Fuse 35A | 113085249 | 3 | 3 | | |
| | | Fuse 15A | 349937133 | | | 3 | |
| | | Fuse Cover | 193428602 | 1 | 1 | | |
| | | Fuse Cover/Puller | 349938227 | | | [2] | |

Note: All quantities are PER assembly.
[2] 1 pc. PER Fuse.

# Section N- Main Control Box

## MicroTech III: Code 12= *E, *F, *W- 6/13 & Later
## Supply & Return Fan Contactors, Circuit Breakers, & Fusing Components, Continued

### 10 HP Motor- Code 22 OR 32= L*Y

| Ref. No. | Sch. Sym. | Part Description | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|---|
| | | | | 208V | 230V | 460V | 575V |
| 1 | M10, 20 | Contactor- Supply (M10) OR Return (M20) Fan | 193537305 | 1 | 1 | | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 193592006 | | | 1 | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 193592005 | | | | 1 |
| 2 | | Aux. Contact- 1 NC OR NO | 193543801 | 1 | 1 | 1 | 1 |
| 3 | MMP10, 20 | MMP- Supply (M10) OR Return (M20) Fan | 193543014 | 1 | | | |
| | | MMP- Supply (M10) OR Return (M20) Fan | 193543013 | | 1 | | |
| | | MMP- Supply (M10) OR Return (M20) Fan | 193543009 | | | 1 | |
| | | MMP- Supply (M10) OR Return (M20) Fan | 193543008 | | | | 1 |
| 3A | | Spacer | 193545801 | 1 | 1 | 1 | 1 |
| 3B | | Link | 193546001 | 1 | 1 | 1 | 1 |
| 3E | | Phase Barrier | 193545501 | 1 | 1 | 1 | 1 |
| 5 | CB10, 20 | Circuit Breaker- Supply (M10) OR Return (M20) Fan | 193550201 | | | | 1 |
| | FB10, 20 | Fuseblock- Supply (M10) OR Return (M20) Fan | 193428502 | 1 | 1 | | |
| | | Fuseblock- Supply (M10) OR Return (M20) Fan | 023780232 | | | 1 | |
| | | Fuse 50A | 113085252 | 3 | | | |
| | | Fuse 45A | 113085251 | | 3 | | |
| | | Fuse 20A | 349937135 | | | 3 | |
| | | Fuse Cover | 193428602 | 1 | 1 | | |
| | | Fuse Cover/Puller | 349938227 | | | [1] | |

Note: All quantities are PER assembly.

[1] 1 pc. PER Fuse

# Section N- Main Control Box

## MicroTech III: Code 12= *E, *F, *W- 6/13 & Later
## Supply & Return Fan Contactors, Circuit Breakers, & Fusing Components, Continued

**15 HP Motor- Code 22 OR 32= M*Y**

| Ref. No. | Sch. Sym. | Part Description | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|---|
| | | | | 208V | 230V | 460V | 575V |
| 1 | M10, 20 | Contactor- Supply (M10) OR Return (M20) Fan | 193591602 | 1 | 1 | | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 193537304 | | | 1 | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 193598101 | | | | 1 |
| 2 | | Aux. Contact- 1 NC OR NO | 193546201 | 1 | 1 | | 1 |
| | | Aux. Contact- 1 NC OR NO | 193543801 | | | 1 | |
| 3 | MMP10, 20 | MMP- Supply (M10) OR Return (M20) Fan | 193543306 | 1 | | | |
| | | MMP- Supply (M10) OR Return (M20) Fan | 193543305 | | 1 | | |
| | | MMP- Supply (M10) OR Return (M20) Fan | 193543010 | | | 1 | |
| | | MMP- Supply (M10) OR Return (M20) Fan | 193543301 | | | | 1 |
| 3A | | Spacer | 193545801 | | | 1 | |
| 3B | | Link | 193547401 | 1 | 1 | | 1 |
| | | Link | 193546001 | | | 1 | |
| 3E | | Phase Barrier | 193545501 | | | 1 | |
| N/S | CB10, 20 | Circuit Breaker- Supply (M10) OR Return (M20) Fan | 193550202 | | | | 1 |
| | FB10, 20 | Fuseblock- Supply (M10) OR Return (M20) Fan | 349964253 | 1 | | | |
| | | Fuseblock- Supply (M10) OR Return (M20) Fan | 193428502 | | 1 | | |
| | | Fuseblock- Supply (M10) OR Return (M20) Fan | 023780232 | | | 1 | |
| | | Fuse 70A | 113085254 | 3 | | | |
| | | Fuse 60A | 113085253 | | 3 | | |
| | | Fuse 30A | 349937137 | | | 3 | |
| | | Fuse Cover | 349964263 | 1 | | | |
| | | Fuse Cover | 193428602 | | 1 | | |
| | | Fuse Cover/Puller | 349938227 | | | [1] | |

Note: All quantities are PER assembly.

[1] 1 pc. PER Fuse.

# Section N- Main Control Box

## MicroTech III: Code 12= *E, *F, *W- 6/13 & Later
## Supply & Return Fan Contactors, Circuit Breakers, & Fusing Components, Continued

### 20 HP Motor- Code 22 OR 32= N*Y

| Ref. No. | Sch. Sym. | Part Description | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|---|
| | | | | 208V | 230V | 460V | 575V |
| 1 | M10, 20 | Contactor- Supply (M10) OR Return (M20) Fan | 193591701 | 1 | 1 | | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 193537305 | | | 1 | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 193598101 | | | | 1 |
| 2 | | Aux. Contact- 1 NC OR NO | 193546201 | 1 | 1 | | 1 |
| | | Aux. Contact- 1 NC OR NO | 193543801 | | | 1 | |
| 3 | MMP10, 20 | MMP- Supply (M10) OR Return (M20) Fan | 193543403 | 1 | 1 | | |
| | | MMP- Supply (M10) OR Return (M20) Fan | 193543013 | | | 1 | |
| | | MMP- Supply (M10) OR Return (M20) Fan | 193543303 | | | | 1 |
| 3A | | Spacer | 193545801 | | | 1 | |
| 3B | | Link | 193547501 | 1 | 1 | | |
| | | Link | 193546001 | | | 1 | |
| | | Link | 193547401 | | | | 1 |
| 3E | | Phase Barrier | 193547301 | 1 | 1 | | |
| | | Phase Barrier | 193545501 | | | 1 | |
| 5 | CB10, 20 | Circuit Breaker- Supply (M10) OR Return (M20) Fan | 193550207 | 1 | | | |
| | | Circuit Breaker- Supply (M10) OR Return (M20) Fan | 193550206 | | 1 | | |
| | | Circuit Breaker- Supply (M10) OR Return (M20) Fan | 193550203 | | | | 1 |
| | FB10, 20 | Fuseblock- Supply (M10) OR Return (M20) Fan | 193428502 | | | 1 | |
| | | Fuse 40A | 113085250 | | | 3 | |
| | | Fuse Cover | 193428602 | | | 1 | |

Note: All quantities are PER assembly.

### 25 HP Motor- Code 22 OR 32= P*Y

| Ref. No. | Sch. Sym. | Part Description | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|---|
| | | | | 208V | 230V | 460V | 575V |
| 1 | M10, 20 | Contactor- Supply (M10) OR Return (M20) Fan | 193591702 | 1 | 1 | | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 193591601 | | | 1 | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 193598102 | | | | 1 |
| 2 | | Aux. Contact- 1 NC OR NO | 193546201 | 1 | 1 | 1 | 1 |
| 3 | MMP10, 20 | MMP- Supply (M10) OR Return (M20) Fan | 193543404 | 1 | | | |
| | | MMP- Supply (M10) OR Return (M20) Fan | 193543403 | | 1 | | |
| | | MMP- Supply (M10) OR Return (M20) Fan | 193543304 | | | 1 | 1 |
| 3B | | Link | 193547501 | 1 | 1 | | |
| | | Link | 193546001 | | | | |
| | | Link | 193547401 | | | 1 | 1 |
| 3E | | Phase Barrier | 193547301 | 1 | 1 | | |
| 5 | CB10, 20 | Circuit Breaker- Supply (M10) OR Return (M20) Fan | 193550209 | 1 | | | |
| | | Circuit Breaker- Supply (M10) OR Return (M20) Fan | 193550208 | | 1 | | |
| | | Circuit Breaker- Supply (M10) OR Return (M20) Fan | 193550204 | | | | 1 |
| | FB10, 20 | Fuseblock | 193428502 | | | 1 | |
| | | Fuse 50A | 113085252 | | | 3 | |
| | | Fuse Cover | 193428602 | | | 1 | |

Note: All quantities are PER assembly.

# Section N- Main Control Box

## MicroTech III: Code 12= *E, *F, *W- 6/13 & Later
## Supply & Return Fan Contactors, Circuit Breakers, & Fusing Components, Continued

### 30 HP Motor- Code 22 OR 32= Q*Y

| Ref. No. | Sch. Sym. | Part Description | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|---|
| | | | | 208V | 230V | 460V | 575V |
| 1 | M10, 20 | Contactor- Supply (M10) OR Return (M20) Fan | 193591703 | 1 | | | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 193591702 | | 1 | | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 193591601 | | | 1 | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 193598102 | | | | 1 |
| 2 | | Aux. Contact- 1 NC OR NO | 193546201 | 1 | 1 | 1 | 1 |
| 3 | MMP10, 20 | MMP- Supply (M10) OR Return (M20) Fan | 193543405 | 1 | 1 | | |
| | | MMP- Supply (M10) OR Return (M20) Fan | 193543305 | | | 1 | |
| | | MMP- Supply (M10) OR Return (M20) Fan | 193543304 | | | | 1 |
| 3B | | Link | 193547501 | 1 | 1 | | |
| | | Link | 193546001 | | | | |
| | | Link | 193547401 | | | 1 | 1 |
| 3E | | Phase Barrier | 193547301 | 1 | 1 | | |
| 5 | CB10, 20 | Circuit Breaker- Supply (M10) OR Return (M20) Fan | 193550301 | 1 | | | |
| | | Circuit Breaker- Supply (M10) OR Return (M20) Fan | 193550209 | | 1 | | |
| | | Circuit Breaker- Supply (M10) OR Return (M20) Fan | 193550204 | | | | 1 |
| | FB10, 20 | Fuseblock- Supply (M10) OR Return (M20) Fan | 193428502 | | | 1 | |
| | | Fuse 60A | 113085253 | | | 3 | |
| | | Fuse Cover | 193428602 | | | 1 | |

Note: All quantities are PER assembly.

### 40 HP Motor- Code 22 OR 32= R*Y

| Ref. No. | Sch. Sym. | Part Description | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|---|
| | | | | 208V | 230V | 460V | 575V |
| 1 | M10, 20 | Contactor- Supply (M10) OR Return (M20) Fan | 193591801 | 1 | 1 | | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 193591701 | | | 1 | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 193591602 | | | | 1 |
| 2 | | Aux. Contact- 1 NC OR NO | 193546201 | | | 1 | 1 |
| 3 | MMP10, 20 | Circuit Breaker- Supply (M10) OR Return (M20) Fan | 193550302 | 1 | 1 | | |
| | | MMP- Supply (M10) OR Return (M20) Fan | 193543402 | | | 1 | |
| | | MMP- Supply (M10) OR Return (M20) Fan | 193543305 | | | | 1 |
| 3B | | Link | 193547501 | | | 1 | |
| | | Link | 193547401 | | | | 1 |
| 3C | | Lugs- MMP (kit of 3pc.) | 193556201 | 1 | | | |
| 3E | | Phase Barrier | 193547301 | | 1 | 1 | |
| 4 | OL10, 20 | Overload- Supply (M10) OR Return (M20) Fan | 193549702 | 1 | | | |
| 4A | | Terminal Block | 193542601 | 2 | 2 | | |
| 5 | CB10, 20 | Circuit Breaker- Supply (M10) OR Return (M20) Fan | 193550302 | 1 | | | |
| | | Circuit Breaker- Supply (M10) OR Return (M20) Fan | 193550301 | | 1 | | |
| | | Circuit Breaker- Supply (M10) OR Return (M20) Fan | 193550206 | | | 1 | |
| | | Circuit Breaker- Supply (M10) OR Return (M20) Fan | 193550205 | | | | 1 |
| N/S | | Lugs- Circuit Breaker (kit of 3pc.) | 193553301 | 1 | 1 | | |

N/S= Not Shown on Diagram.
Note: All quantities are PER assembly.

# Section N- Main Control Box

## MicroTech III: Code 12= *E, *F, *W- 6/13 & Later
## Supply & Return Fan Contactors, Circuit Breakers, & Fusing Components, Continued

### 50 HP Motor- Code 22 OR 32= S*Y

| Ref. No. | Sch. Sym. | Part Description | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|---|
| | | | | 208V | 230V | 460V | 575V |
| 1 | M10, 20 | Contactor- Supply (M10) OR Return (M20) Fan | 193591802 | 1 | 1 | | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 193591701 | | | 1 | 1 |
| 2 | | Aux. Contact- 1 NC OR NO | 193546201 | | | 1 | 1 |
| 3 | MMP10, 20 | Circuit Breaker- Supply (M10) OR Return (M20) Fan | 193550302 | 1 | 1 | | |
| | | MMP- Supply (M10) OR Return (M20) Fan | 193543403 | | | 1 | |
| | | MMP- Supply (M10) OR Return (M20) Fan | 193543402 | | | | 1 |
| 3B | | Link | 193547501 | | | 1 | 1 |
| 3E | | Phase Barrier | 193547301 | | | 1 | 1 |
| 4 | OL10, 20 | Overload- Supply (M10) OR Return (M20) Fan | 193549702 | 1 | 1 | | |
| 4A | | Terminal Block | 193542601 | 2 | 2 | | |
| 5 | CB10, 20 | Circuit Breaker- Supply (M10) OR Return (M20) Fan | 193550208 | | | 1 | |
| | | Circuit Breaker- Supply (M10) OR Return (M20) Fan | 193550206 | | | | 1 |
| | FB10, 20 | Fuseblock- Supply (M10) OR Return (M20) Fan | 113085301 | 1 | 1 | | |
| | | Fuse 225A | 113085205 | 3 | | | |
| | | Fuse 175A | 193559501 | | 3 | | |

Note: All quantities are PER assembly.

### 60 HP Motor- Code 22 OR 32= T*Y

| Ref. No. | Sch. Sym. | Part Description | Part Number | Voltage [1] | | | |
|---|---|---|---|---|---|---|---|
| | | | | 208V | 230V | 460V | 575V |
| 1 | M10, 20 | Contactor- Supply (M10) OR Return (M20) Fan | 193591803 | 1 | 1 | | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 193591702 | | | 1 | |
| | | Contactor- Supply (M10) OR Return (M20) Fan | 193591701 | | | | 1 |
| 2 | | Aux. Contact- 1 NC OR NO | 193546201 | | | 1 | 1 |
| 3 | MMP10, 20 | Circuit Breaker- Supply (M10) OR Return (M20) Fan | 193550303 | 1 | 1 | | |
| | | MMP- Supply (M10) OR Return (M20) Fan | 193543405 | | | 1 | |
| | | MMP- Supply (M10) OR Return (M20) Fan | 193543403 | | | | 1 |
| 3B | | Link | 193547501 | | | 1 | 1 |
| 3E | | Phase Barrier | 193547301 | | | 1 | 1 |
| 4 | OL10, 20 | Overload- Supply (M10) OR Return (M20) Fan | 193549702 | 1 | 1 | | |
| 4A | | Terminal Block | 193542601 | 2 | 2 | | |
| 5 | CB10, 20 | Circuit Breaker- Supply (M10) OR Return (M20) Fan | 193550209 | | | 1 | |
| | | Circuit Breaker- Supply (M10) OR Return (M20) Fan | 193550208 | | | | 1 |
| | FB10, 20 | Fuseblock- Supply (M10) OR Return (M20) Fan | 113085302 | 1 | 1 | | |
| | | Fuse 300A | 113085207 | 3 | 3 | | |

Note: All quantities are PER assembly.
[1] Note that 60HP motors are not available for Return Air Fans in 208/230V.

# Section N- Main Control Box

## MicroTech III: Code 12= *E, *F, *W- 6/13 & Later
## Supply & Return Fan Contactors, Circuit Breakers, & Fusing Components, Continued

**75 HP Motor- Code 32= U*Y**

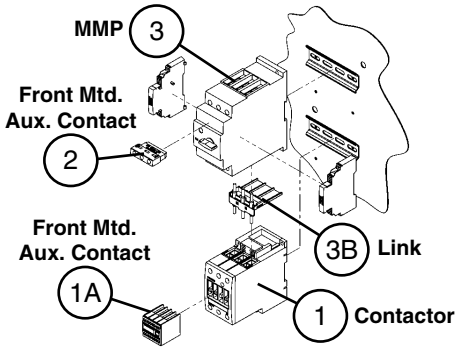
| Ref. No. | Sch. Sym. | Part Description | Part Number | Voltage [1] | | | |
|---|---|---|---|---|---|---|---|
| | | | | 208V | 230V | 460V | 575V |
| 1 | M10 | Contactor- Supply Fan | 193591801 | | | 1 | |
| | | Contactor- Supply Fan | 193591702 | | | | 1 |
| 2 | | Aux. Contact- 1 NC OR NO | 193546201 | | | | 1 |
| 3 | MMP10 | Circuit Breaker- Supply Fan | 193550302 | | | 1 | |
| | | MMP- Supply Fan | 193543404 | | | | 1 |
| 3B | | Link | 193547501 | | | | 1 |
| 3E | | Phase Barrier | 193547301 | | | | 1 |
| 4 | OL10 | Overload- Supply Fan | 193548608 | | | 1 | |
| 4A | | Terminal Block | 193542601 | | | 2 | |
| 5 | CB10 | Circuit Breaker- Supply Fan | 193550301 | | | 1 | |
| | FB10 | Fuseblock- Supply Fan | 113085301 | | | | 1 |
| | | Fuse 125A | 193559504 | | | | 3 |

Note: All quantities are PER assembly.
[1] Note that 75HP motors are not available for Supply Air Fans in 208/230V and are not available at all for Return Air Fans.

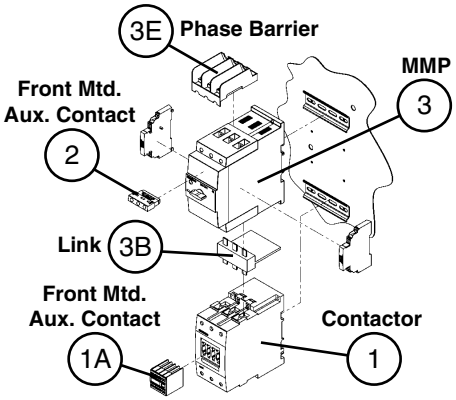
# Section N- Controls

## MicroTech III: Code 12= *E, *F, *W- 6/13 & Later

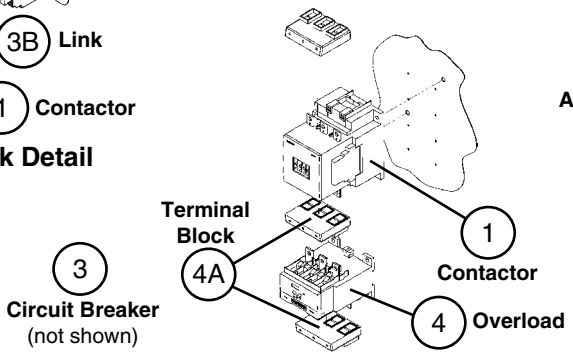
## Compressor MMP1- 4 and Contactor M1- 4 [1]




**MMP1- 2 & M1- 2 Link Detail**
**076C- 575V**




**MMP1- 2 & M1- 2 Link Detail**
**076C- 460V**
**089C, 100C- 460/575V**




**MMP1- 2 & M1- 2 Link Detail**
**076C, 089C, 100C- 208/230V**

| Ref. No. | Sch. Sym. | Part Description | Part Number | Unit Size | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 076 | | | | 089 | | | | 100 | | | |
| | | | | 208V | 230V | 460V | 575V | 208V | 230V | 460V | 575V | 208V | 230V | 460V | 575V |
| | | **Compressor Contactors & Parts** | | | | | | | | | | | | | |
| 1 | M1, 2 | Contactor 185A | 193591803 | | | | | | | | | 2 | 2 | | |
| | | Contactor 150A | 193591802 | 2 | 2 | | | 2 | 2 | | | | | | |
| | | Contactor 95A | 193591703 | | | | | | | | | | | 2 | |
| | | Contactor 80A | 193591702 | | | | | | | 2 | | | | | |
| | | Contactor 65A | 193591701 | | | 2 | | | | | 2 | | | | 2 |
| | | Contactor 50A | 193591602 | | | | 2 | | | | | | | | |
| 1A | | Aux. Contact- 1NO OR NC | 193542701 | | | 2 | 2 | | | 2 | 2 | | | 2 | 2 |
| | | **Compressor MMP's & Parts** | | | | | | | | | | | | | |
| 2 | | Aux. Contact- 1NO OR NC | 193546201 | | | 2 | 2 | | | 2 | 2 | | | 2 | 2 |
| 3 | MMP1, 2 | Circuit Breaker 225A | 193550303 | | | | | | | | | 2 | 2 | | |
| | | Circuit Breaker 150A | 193550302 | 2 | 2 | | | 2 | 2 | | | | | | |
| | | Manual Motor Protector 70- 90A | 193543405 | | | | | | | | | | | 2 | |
| | | Manual Motor Protector 57- 75A | 193543404 | | | | | | | 2 | | | | | 2 |
| | | Manual Motor Protector 45- 63A | 193543403 | | | 2 | | | | | 2 | | | | |
| | | Manual Motor Protector 40- 50A | 193543307 | | | | 2 | | | | | | | | |
| 3B | | Link | 193547501 | | | 2 | | | | 2 | 2 | | | 2 | 2 |
| | | Link | 193547401 | | | | 2 | | | | | | | | |
| 3E | | Phase Barrier | 193547301 | | | 2 | | | | 2 | 2 | | | 2 | 2 |
| 4A | | Terminal Block | 193542601 | 4 | 4 | | | 4 | 4 | | | 4 | 4 | | |
| N/S | | Lug Kit (3 lugs per kit) | 193556201 | 2 [2] | 2 [2] | | | 2 [2] | 2 [2] | | | 2 [2] | 2 [2] | | |

NS= Not shown on diagram.

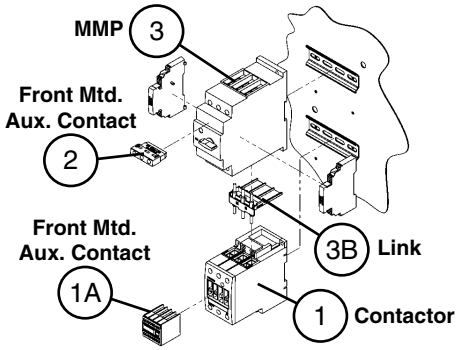
[1] The above diagrams show ALL possible parts. Not every part shown applies to every unit size/voltage combination.

[2] Also requires 3 field supplied ring terminals.

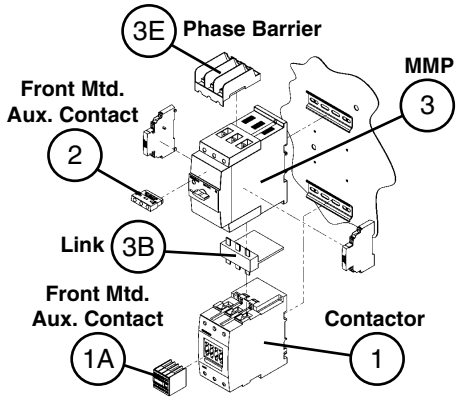
# Section N- Controls

## MicroTech III: Code 12= *E, *F, *W- 6/13 & Later

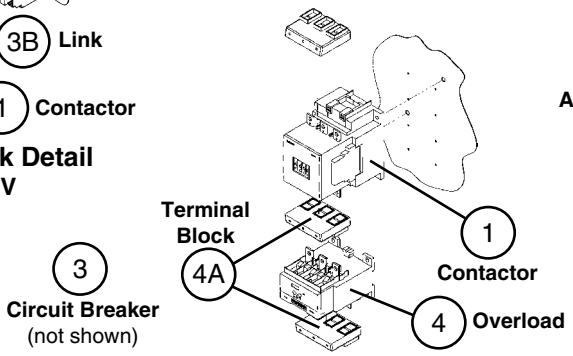
## Compressor MMP1- 4 and Contactor M1- 4, Continued [1]




**MMP1- 4 & M1- 4 Link Detail**
**110C, 130C- 575V**




**MMP1- 4 & M1- 4 Link Detail**
**110C- 230V**
**110C, 130C- 460V**




**MMP1- 4 & M1- 4 Link Detail**
**110C- 208V**
**130C- 208/230V**

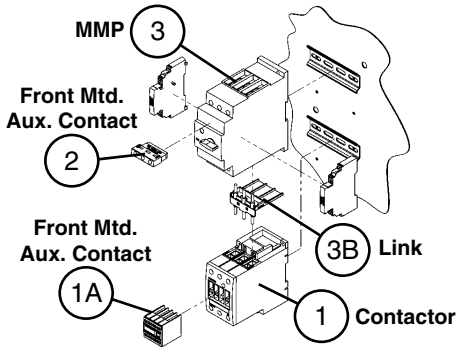
| Ref. No. | Sch. Sym. | Part Description | Part Number | Unit Size 110 208V | 110 230V | 110 460V | 110 575V | 130 208V | 130 230V | 130 460V | 130 575V |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | **Compressor Contactors & Parts** | | | | | | | | | |
| 1 | M1- 4 | Contactor 150A | 193591802 | | | | | 4 | 4 | | |
| | | Contactor 115A | 193591801 | 4 | | | | | | | |
| | | Contactor 95A | 193591703 | | 4 | | | | | | |
| | | Contactor 65A | 193591701 | | | | | | | 4 | |
| | | Contactor 50A | 193591602 | | | 4 | | | | | 4 |
| | | Contactor 40A | 193591601 | | | | 4 | | | | |
| 1A | | Aux. Contact- 1NO OR NC | 193542701 | | 4 | 4 | 4 | | | 4 | 4 |
| | | **Compressor MMP's & Parts** | | | | | | | | | |
| 2 | | Aux. Contact- 1NO OR NC | 193546201 | | 4 | 4 | 4 | | | 4 | 4 |
| 3 | MMP1- 4 | Circuit Breaker 150A | 193550302 | 4 | | | | 4 | 4 | | |
| | | Manual Motor Protector 80- 100A | 193543406 | | 4 | | | | | | |
| | | Manual Motor Protector 45- 63A | 193543403 | | | | | | | 4 | |
| | | Manual Motor Protector 40- 50A | 193543307 | | | 4 | | | | | 4 |
| | | Manual Motor Protector 28- 40A | 193543305 | | | | 4 | | | | |
| 3B | | Link | 193547501 | | 4 | | | | | 4 | |
| | | Link | 193547401 | | | 4 | 4 | | | | 4 |
| 3E | | Phase Barrier | 193547301 | | 4 | | | | | 4 | |
| 4A | | Terminal Block | 193542601 | 8 | | | | 8 | 8 | | |
| N/S | | Lug Kit (3 lugs per kit) | 193556201 | 4 [2] | | | | 4 [2] | 4 [2] | | |

NS= Not shown on diagram.

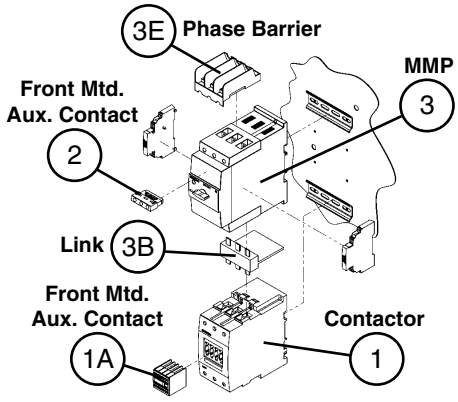
[1] The above diagrams show ALL possible parts. Not every part shown applies to every unit size/voltage combination.

[2] Also requires 3 field supplied ring terminals.

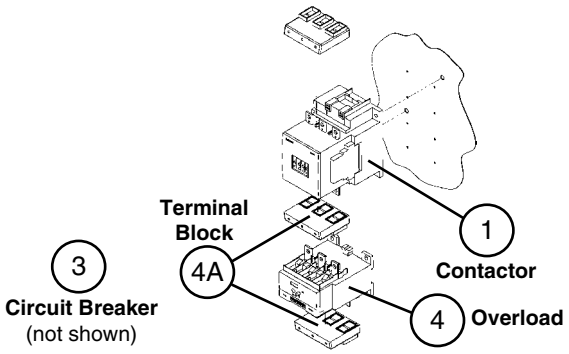
# Section N- Controls
## MicroTech III: Code 12= *E, *F, *W- 6/13 & Later
## Compressor MMP1- 4 and Contactor M1- 4
## Diagrams, Continued [1]




**MMP1- 4 & M1- 4 Link Detail**
**140C (Cir #1)- 575V**




**MMP1- 4 & M1- 4 Link Detail**
**140C- 460V**
**140C (Cir #2)- 575V**
**150C- 460/575V**




**MMP1- 4 & M1- 4 Link Detail**
**140C, 150C- 208/230V**

[1] The above diagrams show ALL possible parts. Not every part shown applies to every unit size/voltage combination.

# Section N- Controls
## MicroTech III: Code 12= *E, *F, *W- 6/13 & Later
## Compressor MMP1- 4 and Contactor M1- 4
## Components, Continued [1]

| Ref. No. | Sch. Sym. | Part Description | Part Number | Unit Size | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 140 [2] | | | | 150 | | | |
| | | | | 208V | 230V | 460V | 575V | 208V | 230V | 460V | 575V |
| | | **Compressor Contactors & Parts** | | | | | | | | | |
| 1 | M1, 2 | Contactor 150A | 193591802 | 2 | 2 | | | 2 | 2 | | |
| | | Contactor 80A | 193591702 | | | | | | | 2 | |
| | | Contactor 65A | 193591701 | | | 2 | | | | | 2 |
| | | Contactor 50A | 193591602 | | | | 2 | | | | |
| 1 | M3, 4 | Contactor 150A | 193591802 | 2 | 2 | | | 2 | 2 | | |
| | | Contactor 80A | 193591702 | | | 2 | | | | | |
| | | Contactor 65A | 193591701 | | | | 2 | | | | 2 |
| 1A | | Aux. Contact- 1NO OR NC | 193542701 | | | 4 | 4 | | | 4 | 4 |
| | | **Compressor MMP's & Parts** | | | | | | | | | |
| 2 | | Aux. Contact- 1NO OR NC | 193546201 | | | 4 | 4 | | | 4 | 4 |
| 3 | MMP1, 2 | Circuit Breaker 150A | 193550302 | 2 | 2 | | | 2 | 2 | | |
| | | Manual Motor Protector 80- 100A | 193543406 | | | | | | | | |
| | | Manual Motor Protector 57- 75A | 193543404 | | | | | | | 2 | |
| | | Manual Motor Protector 45- 63A | 193543403 | | | 2 | | | | | 2 |
| | | Manual Motor Protector 40- 50A | 193543307 | | | | 2 | | | | |
| | | Manual Motor Protector 28- 40A | 193543305 | | | | | | | | |
| 3 | MMP3, 4 | Circuit Breaker 150A | 193550302 | 2 | 2 | | | 2 | 2 | | |
| | | Manual Motor Protector 57- 75A | 193543404 | | | 2 | | | | 2 | |
| | | Manual Motor Protector 45- 63A | 193543403 | | | | 2 | | | | 2 |
| | | Manual Motor Protector 40- 50A | 193543307 | | | | | | | | |
| | | Manual Motor Protector 28- 40A | 193543305 | | | | | | | | |
| 3B | | Link | 193547501 | | | 4 | 2 [4] | | | 4 | 4 |
| | | Link | 193547401 | | | | 2 [3] | | | | |
| 3E | | Phase Barrier | 193547301 | | | 4 | | | | 4 | 4 |
| 4A | | Terminal Block | 193542601 | 8 | 8 | | | 8 | 8 | | |
| N/S | | Lug Kit (3 lugs per kit) | 193556201 | 4 [5] | 4 [5] | | | 4 [5] | 4 [5] | | |

[1] The diagrams on the previous page show ALL possible parts. Not every part shown applies to every unit size/voltage combination.

[2] For unit size 140C, M1, 2 & MMP1, 2 are for the 30HP Compressors; M3, 4 & MMP3, 4 are for the 35HP Compressors.

[3] Used on Circuit #1 only.

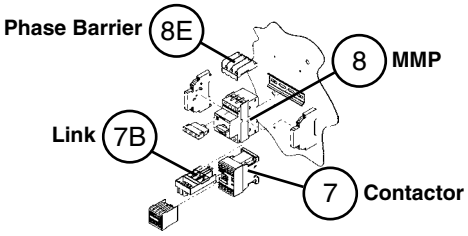
[4] Used on Circuit #2 only.

[5] Also requires 3 field supplied ring terminals.

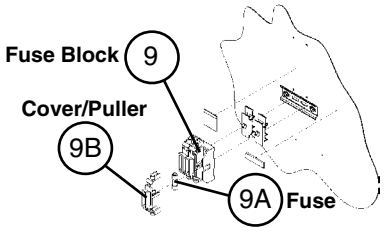
# Section N- Controls

## MicroTech III: Code 12= *E, *F, *W- 6/13 & Later

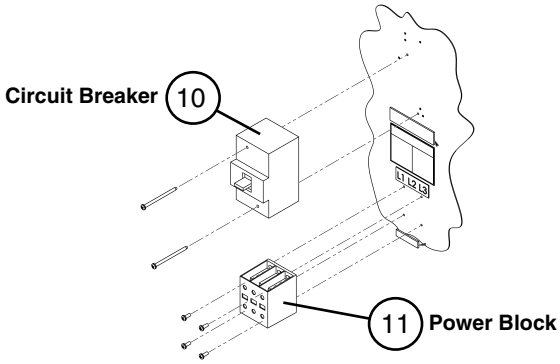
## Condenser Fan Motor Protectors, Contactors, Circuit Breakers, Fusing Diagrams & Components [1]




**MMP & Contactor Detail**




**Speedtrol Fusing Detail**




**CB11, PB11 Detail**

| Ref. No. | Sch. Sym. | Part Description | | Part Number | Unit Size 076- 100 208 | 076- 100 230V | 076- 100 460V | 076- 100 575V | 110- 150 208 | 110- 150 230V | 110- 150 460V | 110- 150 575V |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | **Fan Contactors** | | | | | | | | | | |
| 7 | M11, 21 | Contactor- Condenser Fan | 7A | 193534105 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | M12, 22 | Contactor- Condenser Fan | 7A | 193534105 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | M13, 23 | Contactor- Condenser Fan | 7A | 193534105 | | | | | 2 | 2 | 2 | 2 |
| | | **Fan MMP's & Parts** | | | | | | | | | | |
| 7B | | Link- MMP | | 193545901 | 2 | 2 | 2 | 2 | 4 | 4 | 4 | 4 |
| 8 | MMP12, 22 | Manual Motor Protector | 5.5- 8.0A | 193542912 | 2 | | | | 2 | | | |
| | | Manual Motor Protector | 4.5- 6.3A | 193542911 | | 2 | | | | 2 | | |
| | | Manual Motor Protector | 2.2- 3.2A | 193542908 | | | 2 | | | | 2 | |
| | | Manual Motor Protector | 1.8- 2.5A | 193542907 | | | | 2 | | | | |
| | MMP13, 23 | Manual Motor Protector | 5.5- 8.0A | 193542912 | | | | | 2 | | | |
| | | Manual Motor Protector | 4.5- 6.3A | 193542911 | | | | | | 2 | | |
| | | Manual Motor Protector | 2.2- 3.2A | 193542908 | | | | | | | 2 | |
| | | Manual Motor Protector | 1.8- 2.5A | 193542907 | | | | | | | | 2 |
| 8E | | Phase Barrier | | 193545501 | 2 | 2 | 2 | 2 | | | | |
| N/S | | Busbar, 2 position | | 193544301 | | | | | 2 | 2 | 2 | 2 |
| N/S | | Busbar Feeder Terminals | | 193545101 | | | | | 2 | 2 | 2 | 2 |

N/S= Not shown on diagram.

[1] The above diagrams show ALL possible parts. Not every part shown applies to every unit size/voltage combination.

# Section N- Controls

## MicroTech III: Code 12= *E, *F, *W- 6/13 & Later
## Condenser Fan Motor Protectors, Contactors, Circuit Breakers, Fusing Components, Continued

| Ref. No. | Sch. Sym. | Part Description | Part Number | Unit Size | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 076- 100 | | | | 110- 150 | | | |
| | | | | 208 | 230V | 460V | 575V | 208 | 230V | 460V | 575V |
| | | **Fan Overloads** [1] | | | | | | | | | |
| N/S | OL11, 21 | Overload- Condenser Fan 4.5- 6.3A | 193547909 | 2 | 2 | | | 2 | 2 | | |
| | | Overload- Condenser Fan 2.2- 3.2A | 193547906 | | | 2 | | | | 2 | |
| | | Overload- Condenser Fan | 193534105 | | | | 2 | | | | 2 |
| | | **Fuses** | | | | | | | | | |
| 9 | F11S | Fuseblock- Condenser Fan | 023780232 | 1 | 1 | | | 1 | 1 | | |
| 9A | | Fuse- Condenser Fan 20A | 099488612 | 3 | | | | 3 | | | |
| | | Fuse- Condenser Fan 15A | 099488611 | | 3 | | | | 3 | | |
| 9B | - | Cover/Puller- Fuseblock | 349938227 | 3 | 3 | | | 3 | 3 | | |
| | | **Fan Circuit Breaker** | | | | | | | | | |
| 10 | CB11 | Circuit Breaker- Condenser Fan 100A | 349939621 | | 1 [3] | 1 [3] | | | 1 [3] | 1 [3] | |
| | | Circuit Breaker- Condenser Fan 15A | 193550201 | | | | 1 [3] | | | | 1 [3] |
| | | **Powerblock** | | | | | | | | | |
| 11 | PB11 | Powerblock- Field installed Inverter | [2] | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

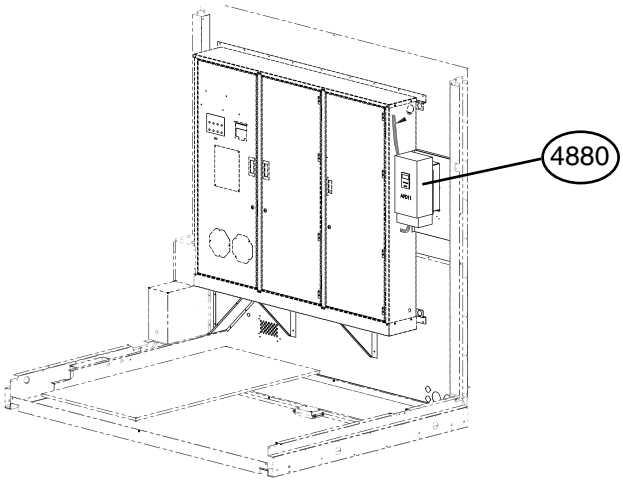
N/S= Not shown on diagram.

[1] OL 11, 21 are used in place of MMP11, 12 on Inverter circuits.

[2] PB11 is used when a field installed Inverter is specified (Code 15= F). See MicroTech III: Code 12= *E, *F, *W- 6/13 & Later Common Components section for p/ns.

[3] Also requires 3 field supplied ring terminals.

# Section N- Controls
## Speedtrol Inverters: Code 47= A, G, R, S [1]




| Ref. No. | Schematic Symbol | Part Description | Part Number | Voltage | | |
|---|---|---|---|---|---|---|
| | | | | 208/230V | 460V | 575V |
| | | **Inverter- ABB (Code 47= A)** | | | | |
| 4880 | VFD11/AFD11 | Inverter, 3HP | 112046064 | 1 | | |
| | | Inverter, 3HP | 112046051 | | 1 | |
| | | Inverter, 3HP | [2] | | | 1 |
| N/S | | Inverter Keypad | 300040924 | 1 | 1 | 1 |
| | | **Inverter- Daikin Applied (Code 47= B)** | | | | |
| 4880 | VFD11/AFD11 | Inverter, 3HP | 193552214 | 1 | | |
| | | Inverter, 3HP | 193552201 | | 1 | |
| | | Inverter, 3HP | 193352326 | | | 1 |
| N/S | | Inverter Keypad | 300040924 | 1 | 1 | 1 |
| | | **Inverter- Graham/Dan Foss (Code 47= G)** | | | | |
| 4880 | VFD11/AFD11 | Inverter, 3HP | 205858811 | 1 | | |
| | | Inverter, 3HP | 205858821 | | 1 | |
| | | Inverter, 3HP | [2] | | | 1 |
| N/S | | Inverter Keypad | 300047680 | 1 | 1 | 1 |
| | | **Inverter- Reliance (Code 47= R)** | | | | |
| 4880 | VFD11/AFD11 | Inverter, 3HP | [2] | 1 | | |
| | | Inverter, 3HP | 112032653 | | 1 | |
| | | Inverter, 3HP | [2] | | | 1 |
| | | **Inverter- Daikin/Schneider (Code 47= Q, S)** | | | | |
| 4880 | VFD11/AFD11 | Inverter, 3HP | [2] | 1 | | |
| | | Inverter, 3HP | 193475823 | | 1 | |
| | | Inverter, 3HP | [2] | | | 1 |
| N/S | | Junction Box | 349958614 | 1 | 1 | 1 |
| N/S | | Remote Keypad | 349958805 | 1 | 1 | 1 |

N/S= Not Shown on Diagram.

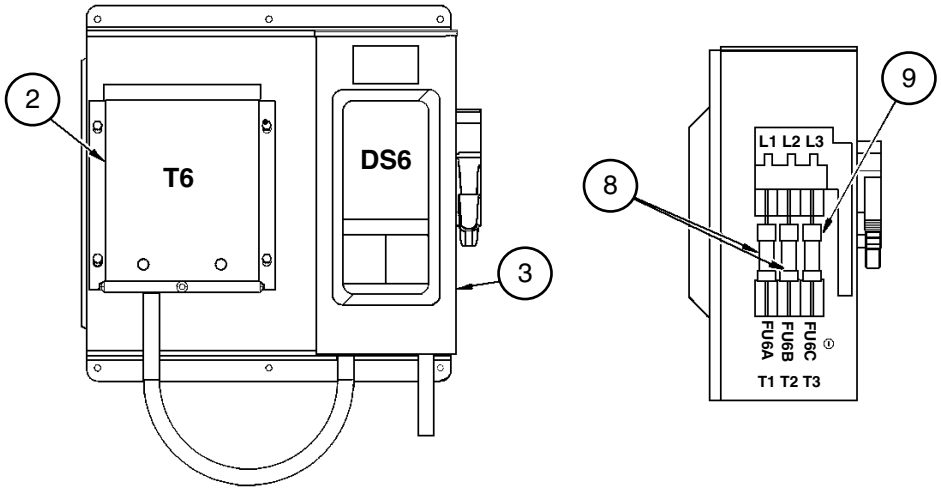
[1] The Speedtrol VFD position as shown in the above diagram is for units built 4/05 & Later. For the Speedtrol Inverter position for units built 3/05 & Earlier, refer to the ***Unit Control Layout Diagram- 3/05 & Earlier*** at the beginning of Section N. The p/ns are the same in either case. Note that ALL RPE/RDE units are set up for SpeedTrol (Inverter) operation.

[2] Contact Daikin Applied with model and serial number information so that the correct Inverter can be identified.

# Section N- Controls

## Factory Supplied Line Voltage Box: Code 18= U***, V***
## T6, DS6, FU6A, FU6B, FU6C

### 05/13 & Earlier



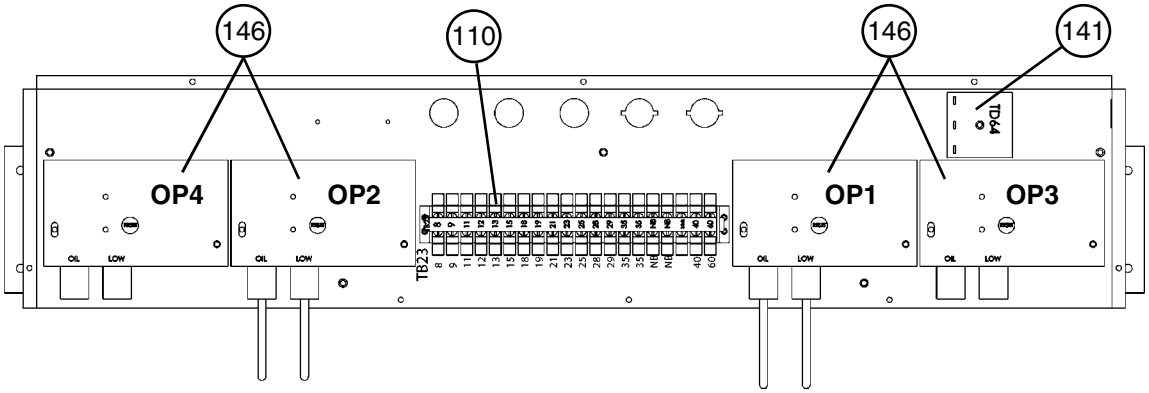

| Ref. No. | Sch. Sym. | Part Description | | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | 208V | 230V | 460V | 575V |
| 2 | T6 | Transformer | 2KVA | 349987001 | 1 | | | |
| | | Transformer | 2KVA | 349987002 | | 1 | 1 | |
| | | Transformer | 2KVA | 349987003 | | | | 1 |
| 3 | DS6 | Disconnect Switch | 30A/600V | 349991901 | 1 | 1 | 1 | 1 |
| 8 | FU6A, B | Fuse | 20A/600V | 193403711 | 2 | 2 | | |
| | | Fuse | 10A/600V | 193403708 | | | 2 | |
| | | Fuse | 8A/600V | 193403707 | | | | 2 |
| 9 | FU6C | Fuse | 20A/600V | 193403711 | 1 | 1 | 1 | 1 |

### 06/13 & Later

| Ref No | Sch Sym | Part Description | | Part Number | Voltage | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | 208V | 230V | 460V | 575V |
| [1] | T6 | Transformer | 2KVA | 099477214 | 1 | | | |
| | | Transformer | 2KVA | 099477114 | | 1 | 1 | |
| | | Transformer | 2KVA | 099477314 | | | | 1 |
| | - | Finger Safe Cover Kit | | 099477602 | 1 | 1 | 1 | 1 |
| [1] | DS6 | Fuse Holder/Circuit Protector | 2P, 30A, 600V | 193443801 | 1 | 1 | 1 | 1 |
| [1] | FU6A, B | Fuse | 20A/600V | 349937135 | 2 | 2 | | |
| | | Fuse | 10A/600V | 349937131 | | | 2 | |
| | | Fuse | 8A/600V | 349937129 | | | | 2 |
| [1] | FU6C | Fuse | 20A/600V | 349937135 | 1 | 1 | 1 | 1 |
| | | Fuseblock | 1P, 30A, 500V | 023780223 | 1 | 1 | 1 | 1 |
| | | Fuse Cover/Puller | | 349938227 | [2] | [2] | [2] | [2] |

N/S= Not shown on diagram.
[1] Shown on ***MicroTech III: Code 12= *E, *F, *W- 6/13 & Later Main Control Box Diagram*** page.
[2] 1pc. PER Fuse.

# Section N- Controls
## Oil Pressure Box [1]

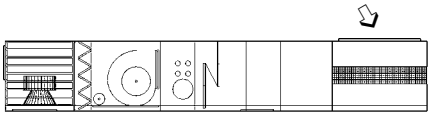



| Ref. No. | Schematic Symbol | Part Description | Part Number | Qty. |
|---|---|---|---|---|
| 110 | TB23 | Terminal Block | 015998120 | 1 |
| 141 | TD64 | Relay, Time Delay | 028210138 | 1 |
| 146 | OP1, 2 | Switch- Oil Pressure | 047357604 | 2 |
| | OP3, 4 | Switch- Oil Pressure (110- 150C only) | 047357604 | 2 |

[1] A four compressor unit (sizes 110- 150C) is shown in the above diagram. In early 2012, the Compressors used in these units were redesigned eliminating the need for Oil Pressure Switches. For units built in 2012 confirm the presence of Oil Pressure Switches before ordering.

# Section O- Refrigeration Tubing

## Notes



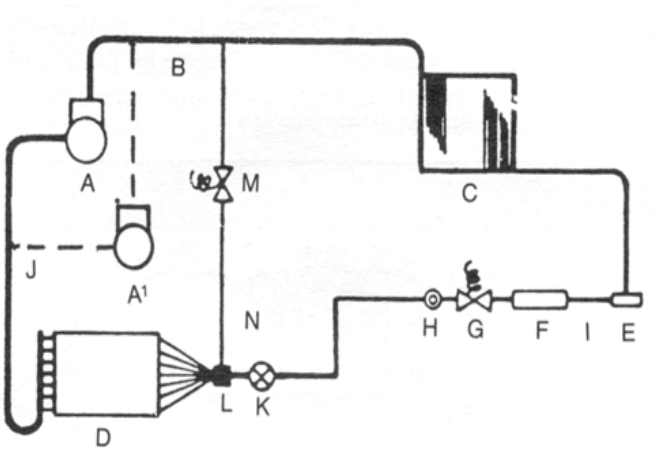
Primary Codes that pertain: 45, 46

Code 45, Compressor mounting/isolation, pertains to the Suction and Discharge tubing located in the Condenser Section. If the unit has Spring Isolators AND R22 Compressors (Code 45= 2 AND Code 44= H), then there are also Vibration eliminators on the Suction and Discharge lines.

Code 46, Piping Options, indicates whether circuit #1 and/or #2 are equipped with Hot Gas Bypass. Code 46 also indicates whether the refrigeration circuit is equipped with replaceable core Filter Driers.

**The schematic below shows Hot Gas Bypass installed on Circuit #1 (Code 46= 1, 4).**

## Refrigeration Circuit Schematic



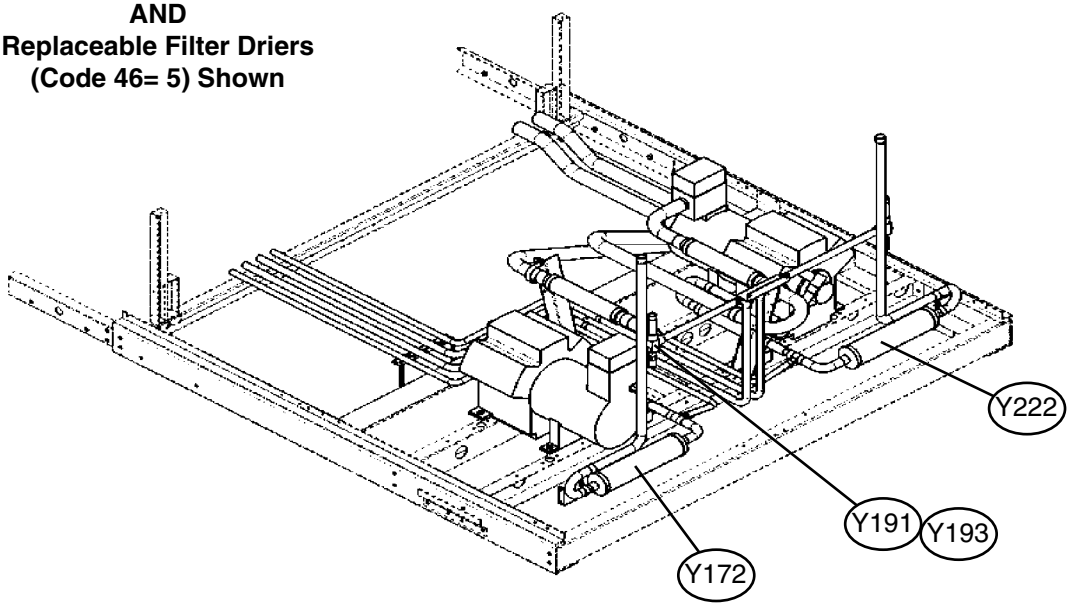

***Legend***

| | |
|---|---|
| A | Compressor |
| A1 | Second Compressor (4 Compressor Units) |
| B | Discharge Line |
| C | Condenser Coil |
| D | Evaporator Coil |
| E | Manual Shut-off Valve |
| F | Filter-Drier |
| G | Liquid Line Solenoid Valve |
| H | Sightglass |
| I | Liquid Line |
| J | Suction Line |
| K | Thermostatic Expansion Valve |
| L | Distributor |
| M | Combination Hot Gas Bypass Control and Solenoid Valve |
| N | Hot Gas Bypass Lines (Optional) |

# Section O- Refrigeration Tubing
## Refrigeration Tubing Layout Diagrams

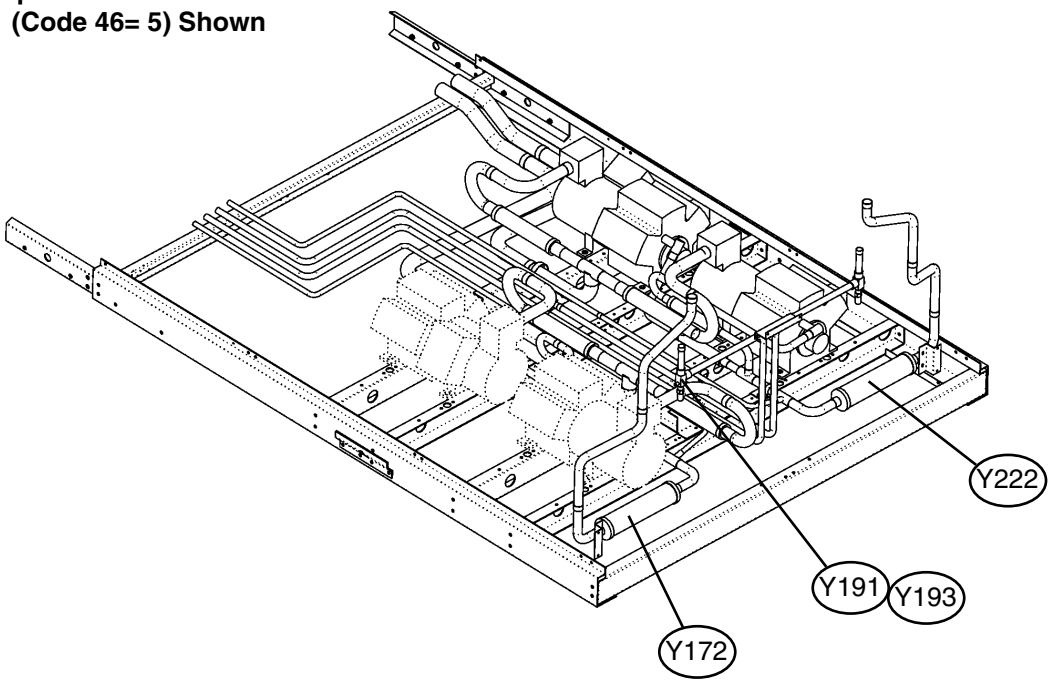
**Two Compressor Layout 076- 100C**

**With Hot Gas Bypass Both Circuits**
**AND**
**Replaceable Filter Driers**
**(Code 46= 5) Shown**




**Four Compressor Layout 110- 150C**

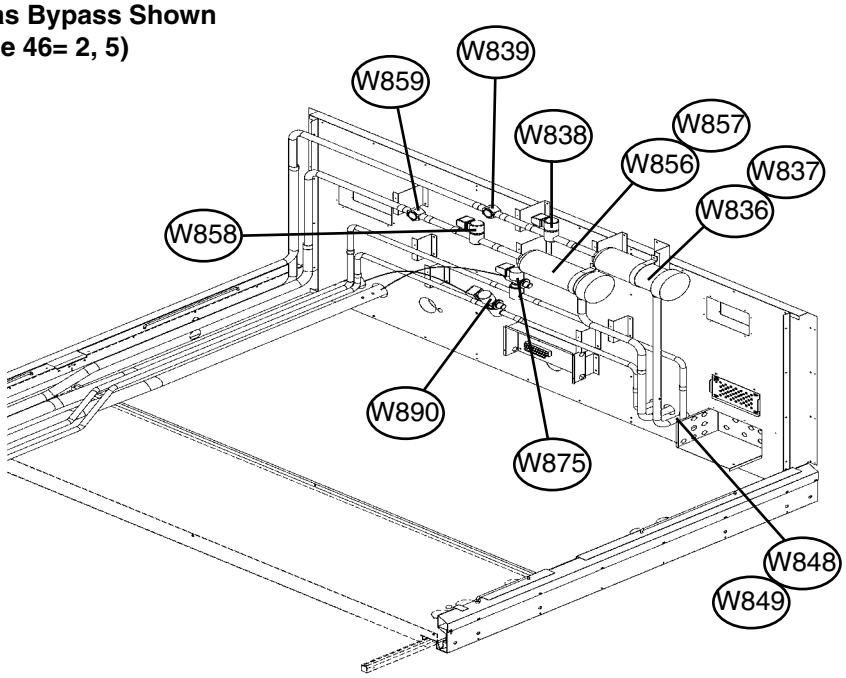
**With Hot Gas Bypass Both Circuits**
**AND**
**Replaceable Filter Driers**
**(Code 46= 5) Shown**



# Section O- Refrigeration Tubing
## Refrigeration Tubing Layout Diagrams, Continued

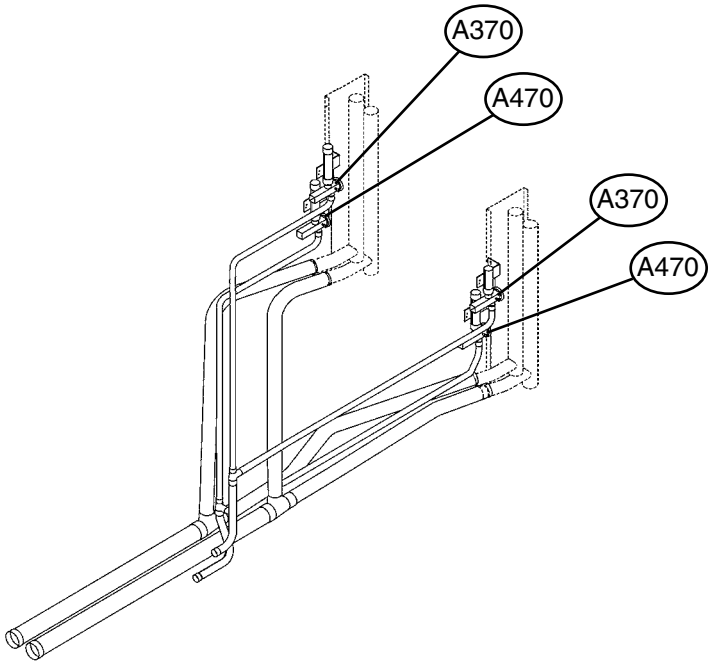
**Vestibule Refrigerant Piping All Sizes**

**With Hot Gas Bypass Shown**
**(Code 46= 2, 5)**




**Expansion Valve Piping All Sizes**

**Without Hot Gas Bypass Shown**
**(Code 46= 3, Y)**



# Section O- Refrigeration Tubing

## Refrigeration Tubing Components [1]

| Ref. No. | Part Description | Part Number | Unit Size | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | 076 | 089 | 100 | 110 | 130 | 140 | 150 |
| | **Condenser Section** | | | | | | | | |
| Y191 | Valve- Shut Off | 049266502 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Y193 | Cap- Shut Off Valve | 032943500 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | **Discharge Line** | | | | | | | | |
| N/S | Eliminator, Vibration [2] | 020001710 | | | | 2 | | | |
| | Eliminator, Vibration [2] | 020001711 | 1 | 1 | 1 | | 2 | 2 | 2 |
| Y172, 222 | Muffler | 047664304 | 1 | 1 | 1 | | | | |
| | Muffler | 047664305 | | | | 1 | 1 | 1 | 1 |
| | **Liquid Line** | | | | | | | | |
| N/S | Stem, Valve | 034915300 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N/S | Core, Valve | 026541100 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N/S | Cap, Valve | 032943500 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| W836, 856 | Shell, Replaceable Filter Drier (Code 46= 3, 4, 5) | 019190500 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| W837, 857 | Core, Replaceable Filter Drier (Code 46= 3, 4, 5) | 001360800 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| W836, 856 | Filter Drier, Sealed Core (Code 46= 1, 2) | 021057426 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| W838, 858 | Solenoid Valve- Liquid Line (SV1, 2) | 025327600 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| W839, 859 | Sight Glass Assy. | 015997806 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | **Expansion Valve** | | | | | | | | |
| | Small Face Area Coil (Code 03= S) | | | | | | | | |
| A370, 470 | TXV- 40 Ton 1 1/8 ODF x 1-3/8 ODF | 024029503 | 1 | | | | | | |
| | TXV- 55 Ton 1 1/8 ODF X 1-3/8 ODF | 024029504 | | 1 | 1 | 1 | | | |
| | TXV- 30 Ton 7/8 ODF X 1-3/8 ODF | 024029605 | | | | | 2 | 2 | |
| | TXV- 40 Ton 7/8 ODF X 1-3/8 ODF | 024029501 | | | | | | | 2 |
| | Large Face Area Coil (Code 03= L) | 024029505 | | | | | | | |
| | TXV- 20 Ton 7/8 ODF X 1-3/8 ODF | 024029601 | 2 | 2 | | | | | |
| | TXV- 30 Ton 7/8 ODF X 1-3/8 ODF | 024029605 | | | 1 | 2 | 2 | 2 | |
| | TXV- 40 Ton 7/8 ODF X 1-3/8 ODF | 024029501 | | | | | | | 2 |
| | **Suction Line** | | | | | | | | |
| N/S | Eliminator, Vibration [2] | 020001712 | | | | 2 | | | |
| | Eliminator, Vibration [2] | 020001713 | 1 | 1 | 1 | | 2 | 2 | 2 |
| N/S | Stem, Valve | 034915300 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| N/S | Core, Valve | 026541100 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| N/S | Cap, Valve | 032943500 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | **Hot Gas Bypass Valves [3]** | | | | | | | | |
| W875 | Solenoid Valve- HGBP Circuit #1, (SV5) | 111011001 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| W890 | Solenoid Valve- HGBP Circuit #2, (SV6) | 111011001 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

N/S= Not Shown on Diagram.

[1] Quantity is PER circuit. Each unit has two (2) circuits. The components listed are the same for either circuit.

[2] Used ONLY when Compressors are R22 Semihermetics (Code 44= H) AND are equipped with spring mounting (Code 45= 2).

[3] If Code 46= 1, 4 there is Hot Gas Bypass on Circuit #1 only (Ref. W875). When Code 46= 2, 5 there is Hot Gas Bypass on BOTH circuits (Ref. W875 & W890).